

Resume

Name : **Dr. Purushotam Naidu Karri**
Present Position & Address : Assistant Professor,
Department of Computer Science and Engineering
GVP College of Engineering For Women,
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AP, India.
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Kommadi, VSP-48.
Permanent Address : Krishnarayapuram(post), Seethanagaram Mandal,
Vizianagaram, Pin-535546, AP, India.
DOB (DD/MM/YYYY) : 07/07/1985
Nationality-Religion : INDIAN-HINDU
Motto : Teach to contribute to build a better Society and Nation.

Academic Qualification

S. No.	Qualification	Institute/University	Year	%	Division
1.	Ph.D (CSE)	JNTUK, Kakinada	2023	--	--
2	M.Tech (CST)	Andhra University, Vishakhapatnam	2009	7.41	First Class with Distinction
3	B.Tech (CSE)	SVH College of Engg	2006	72.87	First Class with Distinction
4	Inter(MPC)	Srinivasa Junior College	2002	93.3%	First Class with Distinction
5	SSC	Gayatri High School	2000	73%	First Class with Distinction

PhD Details:

Topic: Crop Yield Prediction Using Machine Learning Techniques

Area of Specialization: Machine Learning

Achievements:

- Qualified Gate in 2005 and Secured 90 percentile.
- Qualified Gate in 2006 and Secured 93 percentile.
- Qualified Andhra Pradesh State Eligibility Test (APSET)-2014
- Ratified as Assistant Professor in CSE Department from JNTUK through GVPW, Visakhapatnam in 2012
- Ratified as Assistant Professor in CSE Department from JNTUK through DIET, Anakapalli in 2009.
- Top 5% in NPTEL certification course Problem Solving Trough Programming in C

Teaching Experience: 14 Years and 5 months

S. No.	Work Period		Organization / Institution	Position Held
	From	To		
1.	Dec,2011	Till Date	GVPW, Visakhapatnam	Assistant Professor
2.	Dec,2008	Nov,2011	DIET, Anakapalli	Assistant Professor

Subjects Taught:

1. Machine Learning	2. Big Data Analytics	3. Python Programming
4. OOP through C++	5. Distributed Operating Systems	6. Data Structures Through C++
7. JAVA	8. Advanced Operating Systems	9. Data Warehouse & Data Mining
10. BDA-Pyspark	11. Advanced Data Structures	12. Design and Analysis of Algorithms
13. Distributed Systems	14. Compiler Design	15. Data Base Management Systems
16. Computer Organization	17. Data Structures Using C	18. Principles of Programming Language
19. Web Technologies	20. Operating Systems	21. Open Source Software
22. Mobile Computing	25. Big Data & Hadoop	26. Information Retrieval Systems
27. Network Programming	28. Android Programming	29. Mean Stack Development
30. NLP using Python		

Certification Courses:

S. No	Certification	Course Duration	Course Name	Score
1	NPTEL	Four Weeks	<i>Python for Data Science</i>	81%
2	NPTEL	Eight Weeks	<i>Big Data Computing</i>	80%.
3	NPTEL	Eight Weeks	<i>Introduction to Machine Learning</i>	69%.
4	NPTEL	Eight Weeks	<i>Programming, Data Structures and Algorithms Using Python</i>	70%.
5	NPTEL	Eight Weeks	<i>Data Mining</i>	68%
6	NPTEL	Twelve Weeks	<i>Problem Solving Through Programming in C</i>	85%
7	Coursera	Two Weeks	<i>Structuring Machine Learning Projects</i>	

Research Publications:

1. Published a paper on “**Crop Yield Prediction Using Gradient Boosting Neural Network Regression Model**” International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, Vol. 11 Issue 03, March 2023.(**Scopus Indexed, Web of Science**)
2. Published a paper on “**An Optimized Ensemble XGBoost Regression Model for Crop Yield Prediction using Correlation-Based Feature Selection Technique**”, NeuroQuantology Journal, Vol. 20, Issue 6, June. 2022 (**Scopus Indexed**)
3. Published a paper on “**Machine Learning based Hybrid Ensemble Model using Majority Voting Technique for Crop Prediction**”,Webology Journal, Vol. 18, Nov. 2021 (**Scopus Indexed**)
4. Published a paper on “**Smart-farming: IoT Based Crop Prediction System using Machine Learning Techniques**” in Solid State Technology journal, Vol. 64, Issue. 1, Jan. 2021.
5. Published a paper on “**IoT Based Atmosphere Monitoring System using Hadoop Map Reduce Paradigm**” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-3, February 2020.
6. Published a paper on “**Monitoring and Analysis of Water Quality using IoT and SVM** ” International Journal of Algorithms Design and Analysis (IJADA) Vol. 8 Issue 01, June - 2020.
7. Published a paper on “**Evaluation of Optimized Apriori Algorithm on HDFS using MapReduce in Hadoop Distributed Mode**” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 (printed version), Vol. 6 Issue 06, June - 2017.
8. Published a paper on “**Implement document clustering for large scale data using MapReduce Paradigm**” International Journal of Engineering Research & Technology (IJERT).

9. Published a paper on “*Character-Based Symmetric key Algorithm Using Randomized Prime Numbers*” in International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 (printed version), Vol.3 Issue 02, February-2014.
10. Published a paper on “**Productivity Analysis of AODV and DSSV Routing Protocols In MANETs**” in IISR, 2013
11. Published a paper on “**Finest round robin scheduling algorithm using effective time quantum**”, in **JOSETT, 2013**

International Conferences:

1. **K. Purushotam Naidu**, (2018), International Conference on Electrical, Electronics, Computers Communication, Mechanical and Computing (EECCMC) organized by Priyadarshini Engineering College, Tamila Nadu, 28th & 29th January 2018.
Title – *Comparing Apache Spark and Map Reduce with performance Analysis using Page Ranking Algorithm*
2. **K. Purushotam Naidu**, (2017), Conference on Internet Of Things organized at GITAM University, Visakhapatnam, Andhra Pradesh state, India, 11th November 2017

Patent:

- Mr. Purushotam Naidu K published a patent on “**ARTIFICIAL INTELLIGENCE BASED TEA QUALITY CLASSIFIER**” on March 2023, Application Number: 202341013100, Publication Number : 12/2023

Books Publication:

- Mr. Purushotam Naidu K published a Book on “**Introduction to Deep Learning**” on April 2023, published by Book Rivers, ISBN: 978-93-5515-963-2

Guest Lectures:

- Delivering Guest Lecture on “Artificial Intelligence and Machine Learning for III B.Tech Students at Avanthi Institute of Engineering and Technology.

Professional Memberships:

1. Association of Computer Machinery (ACM-8746819).
2. Computer Society of India (CSI- F8004498)

List of FDP’S/Workshops Attended:

1. A One Week FDP on “**Big Data Computing**” Organized by IIT Madras, *ELITE NPTEL Online Certification*, Funded by Ministry of HRD, Govt. of India, from Feb-Apr, 2019 with a Roll No: NPTEL19CS33S32280199, with Consolidated score of 80%.
2. A One Week FDP on “**Introduction to Machine Learning**” Organized by IIT Kharagpur, *ELITE NPTEL Online Certification*, Funded by Ministry of HRD, Govt. of India, from Aug-Oct, 2018 with a Roll No: NPTEL18CS40S22170473, with Consolidated score of 69%
3. A Three Days Workshop on “**Cryptology & Cyber Security**” Organized by both Department of Computer Science and Engineering & Department of Electronics and Communication Engineering , GVP College of Engineering for Women, Madhurawada, Visakhapatnam Andhrapradesh, India from 22nd March to 24 th March, 2018
4. A Three Days Workshop on “**Biological Inspired Computing& Applications**” Organized by Department of Computer Science & Engineering , GVP College of Engineering for Women, Madhurawada, Visakhapatnam Andhrapradesh, India from 9th March to 11th March, 2018
5. A Five Day FDP on “**Analytics Using R**” Organized by Department of Computer Science & Engineering , GVP College of Engineering for Women, Madhurawada, Visakhapatnam Andhrapradesh, India from 13th November to 17th November, 2017
6. A Three Day FDP on “**Big Data and Hadoop**” Organized by Department of Computer Science & Engineering , GVP College of Engineering for Women, Madhurawada, Visakhapatnam Andhrapradesh State, India from 26th February to 28th February, 2016

7. A One Week FDP on **“Java Fundamentals and Programming”** Organized by Department of Computer Science & Engineering , GVP College of Engineering, Madhurawada, Visakhapatnam Andhrapradesh State, India from 13th February to 19th February, 2016.
8. A Three Days Workshop on **“Internet of Things”** Organized by Department of Computer Science & Engineering , GVP College of Engineering, Madhurawada, Visakhapatnam Andhrapradesh, India from 21st October to 23rd October, 2016.
9. A One Week Workshop on **“Research Challenges and Issues in Big Data and Cloud Computing”** Organized by Department of Computer Science and Engineering, JNTU-K University College of Engineering Vizianagaram Dist Andhrapradesh , India from 27th to 31st January 2015.
10. A Two Days Workshop on **“Android Application Development”** Conducted by Geekslab Technologies pvt Limited at GVP College of Engineering for Women, Madhurawada, Visakhapatnam Dist Andhra pradesh, India from 15th March to 16th March, 2014.
11. Two Day National Workshop on **“Advances in Web Mining and Big Data”** Organized by Department of Computer Science & Systems Engineering , Andhra University, Visakhapatnam Dist Andhrapradesh State, India from 18th -19th December 2014.
12. A One Day International Seminar on **“Security and Software Engineering(SSE13)”** Organized by Department of Computer Science & Engineering and Information Technology, DIET Anakapalli, AP, India on 22nd Feb 2013.
13. A One Day Workshop on **“Next Generation Internet Protocol-The Challenges Ahead(IPV6)”** Organized by Department of Computer Science & Engineering, DIET Anakapalli, AP, India on 5th May 2011.
14. A Two Days Workshop on **“Signal Processing and Soft Computing & Modeling”** Organized by Department of Computer Science & Engineering, DIET Anakapalli, AP, India on 14th & 15th March, 2009.
15. A Five Day FDP on **“Artificial Intelligence”** Organized by Lendi Institute of Engineering and Technology, Vizianagaram on 22nd & 26th May, 2020
16. A Three Day FDP on **“Data Science Behind Natural Language Processing”** Organized by Lakireddy Balireddy College Of Engg, Mylavaram, Krishna on 08th & 10th June, 2020
17. One week National Level Online Faculty Development Program on **"Online Teaching-Learning Processes using ICT Tools for Education 4.0"** organized by Department of Information Technology, SVPCET(St. Vincent Pallotti College of Engineering and Technology) Nagpur, Maharashtra in association with Computer Society of India(CSI) on 08th & 13th June, 2020
18. A 3-Day Online Faculty Development Program on **'Data Science behind Natural Language Processing'** " in association with Codegnan IT Solutions OPC PVT. LTD. organized by Lakkireddy Bali Reddy College of Engineering, Krishna District, Mylavaram, Andhra Pradesh, on 08th & 10th June, 2020
19. A One Week FDP on **PHP & MYSQL** organized by Sridevi Womens Engineering college on 08th & 10th June, 2020
20. A Two day FDP on **Bloch chain Technology**, organized by Keshav Memorial Institute of Technology on 12th & 13th June, 2020
21. A One Week FDP on **Introduction to AI and ML** organized by Geethangali College of Engineering and Technology on 25th & 30th May, 2020.
22. A Five Day FDP on **Advanced Python Programming using Django**, organized by Malineni lakshmaiam Womens Engineering College on 21st & 25th May, 2020
23. A Five Day FDP on **Innovative Trends in Data Analysis with AI** organized by Malineni Lakshmaiah Womens Engineering College, Guntur on 26th & 30th May, 2020
24. A One Week FDP on AICTE-STTP: **“Advanced Deep Learning Techniques with Python,** Organized by the department of Computer Science & Engineering (CSE), Anurag Group of Institutions (AGI), Hyderabad, Telangana on 27th May & 01st August, 2020.

25. One Week National Online Faculty Development Program on “**Mathematical Elements In Engineering And Applied Sciences**”2020, Organized by Department of Basic Sciences & Humanities (MATHEMATICS), Gayatri Vidya Parishad College of Engineering for Women, Madhurawada, Visakhapatnam from 21st July, 2020 to 25th July.
26. National Level webinar on How to Read a Research Paper Organized by IQAC on 18th July Organized by Visakha Institute of Engineering and Technology, Narva ,Visakhapatnam
27. A Four Day FDP on Python Programming Organized by KL Deemed to be University, Hyderabad on 15th to 18th July 2020
28. Webinar on Build Dynamic web Applications using Servlets &JSP Organized by East West Institute of Technology, Bengaluru on 20th July 2020
29. National Level Quiz on C Programming Organized by SVS College of Engineering,Coimbatore-642109 on 25th July 2020
30. Two Day workshop on Hadoop and Big Data Analytics Organized by Malla Reddy Institute of Technology and Scienec, Hyderabad on 24th to 25th July 2020
31. National Level Quiz on Python Programming Organized by SVS College of Engineering,Coimbatore-642109 on 29th July 2020.
32. Webinar on Evolving new mindset in young engineers to face the world Organized by AXIS GLOBAL Institute, Coimbatore, Tamilnadu on 25th July 2020
33. A One Week FDP Oon SCILAB-an Open source substitute for MATLAB Organized by Sridevi Womens Engineering College, Hyderabad on 23rd to 28th July 2020
34. A Five Day National Level FDP on Recent Innovative Technologies Organized by Thiruvalluvar University Constituent Arts and Science College on 29th July to 02nd August 2020
35. A Five Day Workshop on “Fight Covid-19 Using IOT Organized by Department of ECE, GVPCEW on 06th to 10th July 2020
36. A One Week National Workshop on Best Practices of ICT Tools in Teaching and Learning organized by Jagadguru Rambhadracharya Divyang University, UP on 3rd to 8th August 2020
37. A One Day National Webinar on ANN and its Applications organized by JSS College of Arts, Commerce and Science, Mysuru on 8th August 2020
38. National Level Quiz on C-Programming organized by Gandhi Academy of Technical Education, Telengana on 21st August 2020
39. One Day National Webinar on National Education Policy-2020 organized by Shivaji University, Kolhapur, Maharastra on 23rd August 2020.
40. Webinar on Facial Emotion Recognition organized by Sri Ramakrishna Institute of Technology, Chennai on 22nd August 2020
41. A Five Day FDP on Recent Trends on Computer Science organized by Maharaja Institute of Technology, Mysore on 24th August to 28th August 2020
42. National Level E-Quiz on Geneal Knowledge organized by Govt. Degree College for arts and Commerce,Telangana on 23rd August 2020
43. One Week International FDP on Emerging Trends & Technologies in Data Science organized by GMRIT, Andhra Pradesh on 24th to 28th August 2020
44. Webinar on Lecture-1 Introduction to Data Science organized by Department of Computer Science and Engineering, Gayatri Vidya Parishad College of Engineering for Women, Kommadhi, Visakhapatnam on 13th June 2020.
45. Webinar Series Lecture-2 on Basics of Machine Learning organized by Department of Computer Science and Engineering, Gayatri Vidya Parishad College of Engineering for Women, Kommadhi, Visakhapatnam on 20th June 2020.
46. Webinar on IOT and its Applications organized by Gayatri Vidya Parishad College of Engineering for Women, Kommadhi, Visakhapatnam on 20th June 2020.
47. Webinar on Data Science Lecture-3 organized by Gayatri Vidya Parishad College of Engineering for Women, Kommadhi, Visakhapatnam on 27th June 2020

48. A Three week FDP on Machine Learning using Python organized by APSSDC from 16th August to 4th November 2021

Administrative Experiences/Other Activities:

1. Coordinator for JNTUK Online Examinations in GVP Womens, Visakhapatnam.
2. Department Coordinator for NAAC Criteria-2
3. Department Coordinator for NBA Criteria-4
4. Coordinator for M.Tech CSE with Data Science
5. Conducted “Online Workshop on Python for Data Science” for two weeks (30 hours) during 20-04-2020 to 4-05-2020. The resource persons are Dr. PVS Lakshmi Jagadamaba and Mr. K Purushotam Naidu
6. Organized Online Quiz on “Introduction to Machine Learning” during 10th June -13th June 2020. A total of around 250 participants participated in the quiz and E-certificates are provided to participants who secured minimum of 70%.
7. Organized a Five day Workshop on “Applications of Image Processing and Machine Learning” during 22- 06-2020 to 26-06-2020. The coordinators are Mr. K Purushittam Naidu & Mrs. K Rohini from CSE Department and Mr CVVD Prasad from IT Department.
8. Organizing Committee Member in BICA-2018 Workshop Conducted at GVP Womens
9. Organizing Committee Member in WCCS-2018 Workshop Conducted at GVP Womens
10. Mentor for NPTEL Programming in C++ Course in 2018
11. Coordinator for IV B.Tech Projects 2016-17 in GVP Womens, Visakhapatnam
12. Coordinating FINTECH Program that is conducted by govt. of AP 2016-17
13. Organizing Committee Member in Hadoop & Big Data -2015 Workshop Conducted at GVP Womens.
14. Member in Developing Web Applications related to NBA
15. Developed Web Application for “ESSAY WRITING Competition” conducted at GVPCEW on “DIGITAL INDIA”
16. Mentor for NPTEL Programming, Data Structures and Algorithms Using Python Course in GVP Womens, Visakhapatnam
17. Conducted two day workshop on Android Programming in technotsav-17, GVP Womens, Visakhapatnam
18. Organized Two Day workshop on “Phone Gap & ITS APPLICATION DEVELOPMENT” at GVPCEW On 18th and 19th April 2015.
19. Taught CRT classes on C-programming for IV-B.Tech Students in GVP Womens Visakhapatnam
20. Taken classes for II & III B.Tech Students to train Students on Android Programming.
21. Taken Gate classes for II & III B.Tech Students to train Students on Data Structures
22. Mentor of Team GSPP_30 from DIET for participating in “The Great Mind Challenge-2010” Development Program by IBM Annual National Software.

Declaration:

I do here by declare that, the information and the details furnished above are true and correct to the best of my Knowledge.

Date: 10-06-2023
Visakhapatnam

Mr. K.Purushotam Naidu