

## RESUME

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### SNAPSHOT

#### EDUCATION

- **Ph.D. in Computer Science and Engineering**
- **M.Tech.(CSE)**
- **B.Tech.(CSE)**

#### STRENGTHS

- **Sincere & Hard Working**
- **Healthy moral and Ethical upbringing**
- **Positive & Critical Thinking**
- **Capable of handling Intense pressure and workload.**

### OBJECTIVE:

Seeking an Opportunity to handle challenging assignments for the benefit of Organization and personal growth. Want to be in an environment which promotes team work and motivates employees to achieve great feats.

<u>TECHNICAL SKILLS</u>	
Programming Languages	: C, C++, Java, Python, R Studio.
Machine Learning	: Supervised and Unsupervised Learning Techniques
Deep Learning	: CNN and Pre-trained models.
Python Packages	: Skilearn, Tensorflow,Keras and Pytorch.
Operating Systems	: Windows-7 & Windows-11.
RDBMS	: Oracle11g, Sqlite3.

### EDUCATION

- Awarded Ph.D. (Computer Science and Engineering) in 2023 from **VIT-AP University**, Amaravati, Andhra Pradesh with 'A' Grade.
- M.Tech. (Computer Science and Technology) in 2013 from E V M College of Engineering & Technology Narasaraopeta Affiliated to JNTU- Kakinada, with 83.00% of Marks.
- B.Tech. (Computer Science & Engineering) in 2011 from B V C ENGINEERING COLLEGE, Amalapuram Affiliated to JNTU- Kakinada, With 77.00 % of marks.
- Intermediate (M.P.C) in 2008 from VASAVI JUNIOUR COLLEGE, Narasaraopeta State Board of Intermediate A.P. in APRIL 2006 with 86.00% of Marks.
- S.S.C(X Class) in 2004 from St.Ann's English Medium High School Narasaraopeta, Board of Secondary Education, A.P. in April, 2004 with 82.00% of Marks.

## Teaching Experience: 11 years

- I am currently working as **Associate Professor & Head of the Department (HOD) for CSE(AIML)** Department in Tirumala Engineering College (Autonomous), Narasaraopeta, Guntur (Dist) from 11-07-2023 to till now.
- I worked as **Asst. Professor in CSE** Department in **Narasaraopeta Engineering College**. Since 28-7-2016 and 28-02-2021.
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- I worked as **Asst. Professor in CSE** Department in **P.N.C & Vijai Institute of Engineering & Technology, Repudi**, From 03-6-2013 to 22-7-2016.
- I worked as **Asst. Professor in CSE** Department in **Amara Institute of Engineering & Technology, Narasaraopet**, Guntur (Dist.) from 07-06-2010 to 01-04-2011.

## Subjects Taught:

- Data Warehouse and Data Mining
- Data Base Management Systems
- Python Programming
- Statistics with R
- Computer Networks
- Operating Systems
- Computer Organization
- Network Security and Cryptography
- Java Programming
- Computer Programming

## Publications:

- Rao, B. S., Aparna, M., Kolisetty, S. S., Janapana, H., & Koteswararao, Y. V. (2024). Multi-class Classification of Alzheimer's Disease Using Deep Learning and Transfer Learning on 3D MRI Images. *Traitement du Signal*, 41(3).
- Rao, B. S., Aparna, M., Harikiran, J., & Reddy, T. S. (2023). An effective Alzheimer's disease segmentation and classification using Deep ResUnet and Efficientnet. *Journal of Biomolecular Structure and Dynamics*, 1-12. (**SCI**)
- M. Aparna and B. S. Rao, "Xception-fractalnet: hybrid deep learning based multi-class classification of alzheimer's disease," *Computers, Materials & Continua*, vol. 74, no.3, pp. 6909–6932, 2023., DOI: 10.32604/cmc.2023.034796(**SCI**)
- Rao, B. S., & Aparna, M. (2023). A Review on Alzheimer's disease through analysis of MRI images using Deep Learning Techniques. *IEEE Access*. **SCI**.
- Aparna, M., & Rao, B. S. (2023). Enhanced Classification of Alzheimer's Disease Stages via Weighted Optimized Deep Neural Networks and MRI Image Analysis. *Traitement du Signal*, 40(5). **SCI**

- Aparna, M., & Rao, S. B. (2022). A Hybrid Siamese-LSTM (Long Short-Term Memory) for Classification of Alzheimer's Disease. International Journal of Software Innovation (IJSI), 10(1), 1-14, DOI: 10.4018/IJSI.309720 (**SCI**)
- Mudiayala Aparna, Battula Srinivasa Rao “A novel automated deep learning approach for Alzheimer's disease classification”, IAES International Journal of Artificial Intelligence (IJ-AI) Vol. 12, No. 1, March 2023, pp. 451~458 ISSN: 2252-8938, DOI: 10.11591/ijai.v12.i1.pp451-458 (**Scopus Indexed**)
- Mudiayala Aparna, Battula Srinivasa Rao “Feature-based EOG artifact suppression from EEG signals using LMD and DWT” Submitted in Journal of Neural Engineering Journal. (Review Comments Submitted)
- Mudiayala Aparna, Battula Srinivasa Rao,” An Optimised Deep Learning Approach for Alzheimer’s Disease Classification”, Communicated in **SCOPUS Journal**
- I Presented the paper titled “Stock Market Data Inspection and Future Stock Prediction using NN” and published in Springer Nature journal IJIT
- I Presented the paper titled “A Survey on Mobile Cloud Computing: Challenges, Problems and Solutions” and published in Scopus journal JTIT
- Published paper on “Secure Data Integrity and De-duplication in cloud data base” an in international journal IJRTER
- Published paper on “Congestion control in ATM-based Broadband ISDNs Using Support Vector Machine” in international journal IJIRCCE
- Published paper on “A Novel Packet Loss Control in Wireless Sensor Networks” in international journal IJRCS.

#### **Patents:**

##### **Indian Patent:**

Successfully filed on 29-01-2024 with Application no: 405894-001

**Title:** Machine Learning based Road Accident Detection Device.

#### **Book Chapters:**

- **Mudiayala Aparna et al.** AI Revolution in Healthcare: Digital Health Services Empowered by Machine Learning and Deep Learning
- **Mudiayala Aparna et al** **DIGITAL CITIES: NEXT-GEN APPLICATIONS (DC2023)**” in Wiley Scrivener Publishing.

## Citations:

Google Scholar: [https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=mudivala+aparna&oq=](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=mudivala+aparna&oq=)

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57939885100>

ORCID: <https://orcid.org/0000-0003-0041-1531>

## International/National Conferences:

- I presented a paper titled “**Stock Market Data Inspection and Future Stock Prediction using NN**” in **international conference** on Recent Advances in Computer Science & Engineering (**IC-RACE-2019**) on 4<sup>th</sup> & 5<sup>th</sup> Feb 2019, at **Acharya Nagarjuna University, Guntur.**
- I presented a paper titled “**A Survey on Mobile Cloud Computing: Challenges, Problems and Solutions**” in international conference on Mobile cloud computing communication and Engineering on 22<sup>nd</sup>-23<sup>rd</sup> June 2018, at Narasaraopeta Engineering College, Narasaraopet.

## ONLINE CERTIFICATION COURSE:

- I successfully completed NPTEL Online Certification Course with title “**Deep Learning.**”
- I successfully completed NPTEL Online Certification Course with title “**Python for Data Science.**”
- I Successfully completed NPTEL Online Certification Course with Title” **The Joy of Computing Using Python.**”
- I Recently Completed a Webinar Organized by APSSDC IUCEE Course on “**Distributed Computing using SPARK.**”
- I Recently Completed a Webinar Organized by APSSDC IUCEE Course on “**Artificial Intelligence 2019**”
- I Successfully completed SOLO learn Online Certification Course with title “**Python Programming Basics.**”

## Curricular Activities:

- Acting as One of the Organizing Coordinators of COMPUTER SOCIETY OF INDIA (CSI) for NEC-CSI LOCAL CHAPTER, and Active Member of CSI LOCAL CHAPTER.
- Active Member in NEC INTERNSHALA LOCAL CHAPTER.
- Coordinator of INNOVATIVE TEACHING/LEARNING METHODOLOGY Module in Department of Computer Science & Engineering, NEC.
- Worked as Mentor for Betterment and Bright future of Students, During Mentorship trait guided for beautiful career path for acquiring Job Opportunities
- One of Coordinators in Organizing FDP in Association with E & ICT Academy.

## Faculty Development Programs / Workshops:

S. No.	Topic	Duration	Name of Conducted Organization
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32	IOT Application Development using Python(Smart City)	14-09-2020 To 19-09-2020	Narasaraopeta Engineering College, Narasaraopeta(Autonomous)
31	Artificial Intelligence/ deep Learning	1-07-2020 To 28-07-2020	APSSDC,360 Digi TMG
30	Python Programming	15-07-2020 To 18-07-2020	KL University,Hyd
29	Artificial Intelligence/ Machine Learning	13-07-2020 To 18-07-2020	CIET,Hyd
28	Deep Learning & its applications	6-07-2020 To 10-07-2020	Sasi Institute of Engineering & Technology (Autonomous)
27	AWS Cloud Computing	22-06-2020 To 26-06-2020	APSSDC
26	An insight into Revised Accreditation Framework of NAAC	22-06-2020 To 24-06-2020	Narasaraopeta Engineering College, Narasaraopeta(Autonomous)
25	Machine Learning	1-06-2020 To 5-06-2020	Lakireddy Bali Reddy College of Engineering (A), Dept of CSE,Mylavaram
24	Artificial Intelligence	22-05-2020 To 26-05-2020	Chaitanya Bharathi Institute of Technology,HYD
23	R-Programming and Python Django	26-05-2020 To 30-05-2020	Universal College of Engineering, Dept of CSE, Guntur,
22	BLOCKCHAIN TECHNOLOGY	26-05-2020 To 28-05-2020	KHIT,CSE,Guntur
21	Microsoft Azure: With Hands-On Session	25-05-2020 To 30-05-2020	Lakireddy Bali Reddy College of Engineering (A), Dept of CSE,Mylavaram
20	Networking and Cyber Security	23-05-2020 To 27-05-2020	Mallineni perumallu Engineering College, Dept of CSE,Guntur.
19	Introduction to data Science	18-05-2020 To 22-05-2020	Guntur Engineering College, Dept of CSE,Guntur.
18	Tools for Online Classroom post Covid-19	18-05-2020 To 20-05-2020	P.B.Siddhartha College,Dept of CSE,Vijaywada,

17	Cloud data Center and Infrastructure	18-05-2020 To 20-05-2020	KHIT,CSE,Guntur
16	Internet of Things	20-01-20 To 25-01-20	APSSDC, CSE, NIT
15	Python for Data Science	4 Weeks 20-8-2019 To 22-9-2019	NPTEL-AICTE
14	Rural Development	29-7-2019 To 3-8-2019	<b>NITTR Chandigarh</b> , Ministry of Human Resource Development, Govt. of India,CSE,NEC
13	Effective Teaching Methods	15-7-2019 To 20-7-2019	<b>NITTR Chandigarh</b> , Ministry of Human Resource Development, Govt. of India. MECH, NEC.
12	Statistics With R Programming	24-6-2019 To 29-6-2019	NEC,Narasaraopeta
11	Python workshop	22-6-2019	<b>IIT Bombay</b>
10	New Directions in cryptography & Applications to Cyber Security	7-6-2019 To 1-6-2019	<b>SREE VIDYANIKETHAN ENGINEERING COLLEGE TIRUPATHI</b>
9	Deep Learning and Applications	27-5-2019 To 31-5-2019	MNIT-JAIPUR
8	Moodle Learning Management System	15-3-2019	<b>IIT Bombay</b>
7	AI and Machine Learning	17-12-2018 To 22-12-2018	MNIT-JAIPUR
6	AI & Deep Learning	23-11-2018 & 24-11-2018	NEC,Narasaraopeta
5	Deep Learning	12-11-2018 To 17-11-2018	E&ICT Academy, <b>NIT Warangal</b> , KHIT, Guntur
4	Linux Administration using CentOS through ICT	30-04-2018 To 04-05-2018	<b>NITTR Chandigarh</b> , Ministry of Human Resource Development, Govt. of India. CSE, NEC.
3	Wireless and Mobile	30-10-2017	NEC,Narasaraopeta.

	Communication through ICT	To 3-11-2017	
2	JAVA SPRING FRAME WORK	29-05-2017 To 10-06-2017	<b>Hebeon Technologies.</b>
1	BIG DATA ANALYTICS	11-05-2016 To 21-05-2016	<b>DST Sponsored, CSE, NEC.</b>

#### Personal Details:

**Date of Birth** : 29/09/1989  
**Sex** : Female.  
**Marital Status** : Married.  
**Languages** : Telugu, English.  
**Permanent Address** : Narasaraopeta  
**State of Domicile** : Andhra Pradesh  
**Nationality** : Indian

#### Declaration:

I hereby declare that all the statements made by me in the resume are true and complete to the best of my knowledge.

Date:

Place:

**(M.APARNA)**