Dr. T. Sumallika – Curriculum Vitae

1. Personal Details

Name: Dr. Tella Sumallika
Designation: Associate Professor, AI&DS
Date of Birth: 28 March 1982
Mobile: +91-9703721095
Email: sumallika.p@gmail.com
Address: 16/115, Opp. KV Commerce College, Satyanarayanapuram, Gudivada – 521301.

2. Educational Qualifications

Degree	Institution	University/Board	Year	Result
Ph.D., Computer Science & Engineering	Acharya Nagarjuna University	ANU	2025	Awarded
M.Tech (CSE)	Pydah Engineering College, Vizag	JNTUK	2011	76.88%
B.Tech (CSE)	C.R. Reddy Engineering College, Eluru	Andhra University	2004	72.33%
Intermediate	Sri Vidya Junior College, Gudivada	BIE	1999	67%
SSC	Z.P.H. School, Moturu	SSC Board	1997	65%

3. Academic/Teaching Experience (17 Years)

Assistant Professor – IT
Seshadri Rao Gudlavalleru Engineering College (2015–Present)

Assistant Professor – CSE
Lendi Institute of Engineering & Technology (2013–2014)

Assistant Professor – IT
Kaushik College of Engineering (2011–2012)

Assistant Professor – IT
Al-Ameer College of Engineering (2007–2011)

4. Research Areas

- Artificial Intelligence & Machine Learning
- Deep Learning & Medical Image Analysis
- Big Data Analytics
- IoT Systems
- Data Mining & Pattern Recognition

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5. Publications (Scopus/SCI/IEEE/UGC)

Scopus Indexed Journal Articles

1. *A Combined Ensemble Model (CEM) for Liver Cancer Detection*, IJACSA, 2024.
2. *HepatoScan: Ensemble Classification for Liver Cancer Disease Detection*, CSIT, 2025.
3. *Sugar Cane Leaf Disease Classification Using Deep Learning*, JATIT, 2023.
4. *AI-Based Weed Classification Using VGG16 and RMSprop*, JATIT, 2022.
5. *IoT Enabled Smart Banking System*, IJRTE, 2019.

UGC/Other Journal Publications (Selected)

- *Efficient Consumer Response using Big Data Analytics*, DRSR Journal, 2021.
- *Dynamic Carpooling for Better Environment*, IJREAM, 2020.
- *Analysis of Big Data Applications in Healthcare*, IJRAR, 2020.

Conference Publications (Selected)

- *LiverScope: Automated Deep Classification for Liver Cancer Detection*, IEEE ICMCSI 2025.
- *Detection of Inconsistent Data in GPON Networks*, IEEE InCAAT, GITAM University, 2024.
- *Health Monitoring & Real-time Alerting*, Engineering Proceedings (MDPI), 2024.
- *E-Learning Challenges in India*, Millennium University, 2020.

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6. Books & Book Chapters

- **Book:** *Internet of Things: A Design Perspectives*, Notion Press, ISBN: 979-8888056738.
- **Book Chapter:** *An Overview of E-CRM*, Global Academicians & Researchers, 2021.

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7. Patents (Granted & Published)

Granted Patent

- *Method and System for Anomaly Detection in HR Identification Management Using AI*, Patent No. 202341000564, Granted on 04 July 2023.

Published Patents (Indian Patent Office Journal)

- Application Nos.: 202241051263, 202141053775, 202141051539.

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8. Projects (DST / SERB / MSME)

- **MSME Project Applied:** *Saksham Women's Digital Academy*.
- **SERB Project Applied:** *Women Empowerment using E-Learning Methods*.
- **DST Project Applied (WOS-A):** *Big Data-Based Image Duplication Alert System*.
- **In-house Project:** *Smart Home Intelligent Door System*.

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9. FDPs / Workshops / Certifications (Selected)

- EDX: *Generative AI for Business Leaders* (2024)
- EDX: *Python Basics for Data Science* (2024)
- NPTEL Elite+Gold: *Introduction to IoT*
- NPTEL Elite+Silver: *Automata Theory*
- NPTEL: *Data Mining*
- FDPs(50+): AI/ML, Cloud Computing, SPSS/R/Tableau, Quantum Computing, MEAN Stack, Data Science (NITW, JNTU, ANU, ATAL, APSSDC)

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10. Administrative Roles & Responsibilities

- Coordinator – **SAINT** (5 years)
- Coordinator – **NBA Criteria 3**, **NAAC Criteria 2**
- Coordinator – Department & Institute Magazines
- Class Teacher – multiple batches
- Main Project Coordinator
- Member – COVID-19 Task Force
- Organizer – Multiple Workshops, Paper Contests, ACM Events

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11. Subjects Taught

Python, AI, R Programming, Java, OOAD, TOC, HCI, CN, DBMS, DLD, CO, COA, E-Commerce, FOSS, Design Patterns, etc.

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12. Memberships

- Member – **ACM** (ID: 6733777)
- Associate Member – **MIE** (M-1637147)
- Member – **UACEE** (AM10100052244)

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13. Achievements

- Ph.D. Awarded (2025)
- Resource Person – National Webinar on Python (2024)
- Oracle Cloud Infrastructure AI Foundations Associate – Score: 98%
- Qualified GATE (AIR 5491) – 2009
- APRSET Qualified – 2019
- JNTUK Ratified – twice (2014 & 2015)

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14. Declaration

I hereby declare that the information provided above is true to the best of my knowledge.

(Dr. T. Sumallika)