

THIRUMALAREDDY SUDHESHNA REDDY

Vijayawada, Andhra Pradesh

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Linkedin

Github

EDUCATION

- ABV-Indian Institute of Information Technology and Management, Gwalior**
Integrated B.Tech and M.Tech in Information Technology; CGPA: 7.66
Gwalior, India
2022 – Present
- Narayana Junior College**
BIE AP, Intermediate - Percentage: 97.4%
Vijayawada, India
2019 – 2021

COURSEWORK / SKILLS

- Data Structures Algorithms
- Database Management Systems (DBMS)
- Computer Organization and Architecture
- Operating Systems
- Computer Networks
- Oops Concepts

PROJECTS

Fake Currency Detection | Python, Flask, OpenCV, KNN, Tesseract **2024 – 25**

- Built a Flask app for **real-time fake currency detection** using image processing techniques
- Used **OpenCV** to extract regions like watermark, strip, and serial number
- Developed a web application with instant image upload and result display

Real-Time Chat App | MERN Stack, Socket.io, Redux, JWT **2024 – 25**

- Built a full-stack real-time chat app with **JWT authentication**, protected routes, and user search
- Implemented live messaging using **Socket.io** and state management with **Redux Toolkit**
- Designed scalable **RESTful APIs** and integrated **MongoDB Atlas** for cloud data storage

Echo Chamber Characterization | Python, NetworkX, NumPy, Pandas, Matplotlib **2025**

- Simulated a social network model to analyze political bias, **homophily**, and **echo chambers**
- Analyzed **production polarity**, **mixing patterns**, and **EI index** using Baseline and Power Law models
- Visualized political interaction trends and **echo chamber** formation across network types

TECHNICAL SKILLS

Languages: C, C++, JavaScript, SQL, Python, Java

Technologies/Frameworks: HTML5, CSS3, React, MongoDB, Express, Javascript, NodeJS, Bootstrap, Flask

Tools & OS: VS Code, PyCharm, Canva, Latex, Linux, Windows, Git, Github, MySQL, UI/UX, AWS, Figma

Soft Skills: Leadership, Communication, Event Management, Public speaking

ACHIEVEMENTS

- Selected as a SheFi Season 14 Scholar.
- Secured 98 percentile (Top 2% among 10,00,000 candidates) in JEE Main 2022.
- Successfully cleared GATE 2025 CSE paper.
- Contributor at Social Script Summer of Code 2025 - Worked on open-source projects under guidance.

VOLUNTEER EXPERIENCE

- Event Manager - Aurora 24**
Organised central India's largest cultural fest
Gwalior, India
2024
- IEEE Student Branch Member - IIITM**
Organized technical events and seminars to promote learning and development.
Gwalior, India
2023 – 2024
- Technical Team Member - Uthaaan**
Assisted with event tech, managed digital content, and ensured smooth operation of journalism club activities.
2022 – 2023