

# SADDA REDDY ANUDEEP

SOFTWARE DEVELOPER || MACHINE LEARNING ENTHUSIAST

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## SKILLS

- **Programming:** Java, Python, SQL
- **Databases:** MySQL, MongoDB
- **Version Control:** Git, GitHub, Ansible
- **Cloud Services:** AWS, Docker
- **Tools:** MS Office Tools, Figma, Jira, Power BI, Tableau, LIMS, MATLAB, Selenium, Wireshark, Jenkins
- **Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, LangChain
- **Relevant Course Work:** OOPs, Data Structures, SDLC, AI/ML, DL, Cyber Security, Computer Vision, Gen AI
- **Soft Skills:** Problem-Solving, Quick Learner, Analytical Thinking, Communication, Team Collaboration

## WORK EXPERIENCE & EXTRA CURRICULAR ACTIVITIES

### 1. Freelance AI/ML Engineer & Software Developer

[Jan '24 - Jun '25]

- Collaborated with multiple organizations including SL Tech Solutions, WishOn Consultancy, PrimoGrad, Ramesh Makeup Studio and Vasishta Digital Solutions on diverse AI/ML and software development projects.
- Designed and deployed AI/ML/DL solutions for computer vision, predictive analytics and IoT security, achieving high accuracy and real-world impact.
- Contributed to a real-time mobile application project by handling UI design and software testing, while leading the team as Scrum Master and following Agile best practices.

### 2. Vice President & Advisor for Computer Society of India (CSI Chapter) || VIT-AP [Certificate Link]

[Jan '22 - Apr '25]

- Led a community of 800+ members, overseeing events, mentorship programs and workshops.
- Managed operations for 840+ members, organizing hackathons and tech talks.
- Spearheaded the chapter's Best Chapter of the Year 2023-24 achievement.

## EDUCATION

### Vellore Institute of Technology, Amaravathi

2021 - 2026

5 - Year Integrated MTech in Software Engineering. || CGPA 8.29

### Sri Chaitanya Junior College, Vijaywada

2019 - 2021

Intermediate [MPC] || I achieved 80.2% in Board Examinations.

### Narayana E-Techno School, Kadiri

2018 - 2019

Matriculation [SSC] || I accomplished my 10th-grade education with an impressive 9.5 GPA.

## PROJECTS

### 1. IoT Malware Classification Using Ensemble & Deep Neural Networks on Network Traffic Data || [Apr '24 to Aug '24]

- Built an IoT malware detection framework using CNN (Vanilla + MobileNet) and ensemble ML models (RF, XGBoost, LightGBM, AdaBoost) on IoT malware traffic images and achieving 97% accuracy.
- Achieved in detecting Benign vs. Malware and tracing malware families via custom CSV mapping.

### 2. AI-Powered Intrusion Detection for Automotive Powertrain CAN Networks || [Jun '25 to Aug '25]

- Developed an IDS using ML/DL on 3M+ CAN bus messages to detect cyberattacks in powertrain communication.
- Achieved ~87% test accuracy through CNN-LSTM + Transformer fusion, enabling robust real-time detection.
- Balanced precision/recall across Flooding, Fuzzy, Replay, Malfunction attacks (F1 ~0.85).

### 3. Design and Implementation of a CI/CD Pipeline with Jenkins and GitHub for Java Projects || [Jul '25 to Aug '25]

- Built a CI/CD pipeline with Jenkins, Git, and Maven for automated build, test, and deployment.
- Deployed Java application on Apache Tomcat with end-to-end automation.

## CERTIFICATIONS

- Java, Python, AI/ML, Agile Scrum Master, Generative AI | **Udemy**
- Certified, participated in, and organized many hackathons and workshops.

[Certifications Links]

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