

AMIT REDDY

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EDUCATION

S.R.M INSTITUTE OF SCIENCE AND TECHNOLOGY

Bachelor of Technology in Computer Science and Engineering
Major in Computer Science; Specialization in Big Data Analytics
CGPA: 8.99/10

Chennai, Tamil Nadu
May 2027 - Present

Relevant Coursework: Artificial Intelligence; Database Management System; Object-Oriented Programming; Operating Systems; Data Structures and Algorithms; Compiler Design.

KENDRIYA VIDYALAYA SANGATHAN

High School Diploma - Science

Hyderabad, Telangana
Apr 2011 - May 2023

WORK EXPERIENCE

National Institute Of Technology, Trichy

Summer Research Intern

Tiruchipally, India
May 2025 – July 2025

- Designed a custom MARL algorithm with emergent communication for cooperative predator-prey pursuit, enhancing coordination via a learnable scalar signal in partially observable environments.

Samsung Prism

Research and Development Intern

Bangalore, India
Mar 2025 – Present

- Collaborated with engineers to integrate machine learning algorithms into product prototypes.

Research Centre Imarat, DRDO

Machine Learning Research Intern

Hyderabad, India
Dec 2024 – Jan 2025

- Analyzed big datasets with Python and model development within TensorFlow and Scikit-Learn.

PROJECTS

Central-Server-Group-Chat

Jun 2025

- Developed a secure Signal-style group chat system with end-to-end encryption, user authentication, and group management using CryptoPP and Boost.

TravelAI

Mar 2025

- Built an AI-powered itinerary generator with AR integration, optimized travel routing, and real-time API-based recommendations.

Sketch-to-Image-Generation

Feb 2025

- Designed and trained a GAN-based image generation model to convert sketches into photorealistic images.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, Javascript, Typescript, PowerShell, Kotlin.

Frameworks/Tools: React, React Native, SQL, JSON, Spring Boot, Power BI, AWS, SpaCy, Pandas, Numpy, Dask, Scikit-learn, TensorFlow, Linux, Matlab, Git, Excel, XGBoost, OpenCV, LangChain, YOLO, Optuna.

Specialization: Software Development, System Design, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Large Language Models, Cloud Computing, Data Analytics.

Certifications:

Oracle APEX Cloud Developer Certified Professional, Alteryx Foundation And Designer Core for Data Analytics Process Automation, Remote Sensing and Digital Image Analysis, HackerRank: 7 Badges, Leetcode: 7 Badges.

Hackathons:

- 2nd Runner up - ACM-W Make-a-thon, SRMIST (Sep 2024)
- 1st Runner up - AGENTICA Hackathon, IIIT Sri City (March 2025)