

THAMADAPALLY SUPRAJ REDDY

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Summary

Computer Science student with experience in building backend applications, web projects, and basic machine learning models through academic and hands-on project work. Comfortable working with Python, web frameworks, SQL databases, and applying core concepts to practical problems.

Work Experience

Networking Virtual Internship <i>Juniper Networks</i>	Apr 2024 – Jun 2024	Remote
– Worked on networking fundamentals such as routing and subnetting using virtual lab environments. – Observed firewall configurations and basic traffic flow behavior during guided lab sessions. – Gained hands-on exposure to network setup and monitoring concepts through simulations.		

Projects

Resume Insight Analyzer — Python, Flask, Ollama, LLM

- Built an AI-powered resume analysis tool using a local LLM (Ollama) to evaluate resumes against job descriptions.
- Extracted skills, matched keywords, and generated insights to help improve resume relevance.

Secure REST API Backend — FastAPI, PostgreSQL, JWT

- Developed a RESTful backend using FastAPI with structured routing, data validation, and CRUD operations.
- Implemented JWT-based authentication for secure user login and protected API access.

Vehicle Classification System — TensorFlow, OpenCV

[Source Code](#)

- Trained a CNN-based model to classify vehicle images using a labeled dataset.
- Used OpenCV for image preprocessing and testing model predictions.

Student Registration System — Django, MySQL

[Source Code](#)

- Developed a student registration web application using the Django framework.
- Implemented CRUD operations and database interactions with MySQL.

Technical Skills

Programming: Python, C, SQL

Frameworks: Flask, Django, React.js, Node.js

AI/ML: TensorFlow, OpenCV, Pandas, NumPy, Scikit-learn

Databases: MySQL, PostgreSQL

Cloud/DevOps: AWS (EC2, S3, IAM), Docker, Git, GitHub

CS Core: Data Structures and Algorithms

Achievements

- **Core Team Member — Google Developer Groups Hyderabad (GDG):** Supported organization of workshops and technical sessions.
- Contributed to collaborative learning activities and student-led technical initiatives.

Certifications

- **AWS Certified Cloud Practitioner** — Amazon Web Services

- **Salesforce Certified AI Associate** — Salesforce Trailhead

Education

KL University

2022 – 2026

B.Tech, CSE (AI), CGPA: 9.1

Vaddeswaram, AP