Yenuga Sasi Kumar Reddy

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Professional Summary

Backend-focused Computer Science undergraduate with hands-on experience in Python, Flask, REST API development, and database-driven applications. Strong fundamentals in DSA, Operating Systems, DBMS, and Computer Networks with exposure to secure backend systems.

Technical Skills

Programming: Python (DSA, OOP), Java (Basics)

Backend Development: Flask, REST APIs

Databases: MySQL, MongoDB

Security (Backend): Secure API design, Input validation, Authentication, Authorization

Core CS: Operating Systems, DBMS, Computer Networks

Data Structures: Arrays, Strings, Linked List, Stack, Queue

Projects

Track My Funds — Personal Finance Tracker　2024
Tech Stack: Python, Flask, SQLite
– Developed a backend-driven personal finance application to manage income and expenses.
– Designed REST APIs for expense tracking, category-wise summaries, and monthly reports.
– Implemented secure data handling and validation to ensure data integrity.

Internship Experience

Nuclear Fuel Complex (NFC) — Department of Atomic Energy　Oct 2025 – Nov 2025
Backend Development Intern　Hyderabad, India
– Developed backend services using Python Flask to support secure file processing workflows.
– Designed REST APIs for logging, data storage, and report generation.
– Integrated database operations and automated backend tasks to streamline analysis pipelines.
– Implemented access control and isolated execution to enhance backend security.

Education

Malla Reddy University, Telangana　2022 – 2026
B.Tech in Computer Science and Engineering (Cyber Security) **— CGPA: 8.86/10**　Hyderabad, India

Narayana Junior College, Andhra Pradesh　2020 – 2022
Intermediate (MPC) **— 857/1000**　Andhra Pradesh, India

Certifications

- Internship Certification — Nuclear Fuel Complex (DAE), Hyderabad

- Python Programming Essentials — Rise University

- Zscaler Networking Fundamentals — Zscaler Academy

- Palo Alto Cyber Security Virtual Internship — EduSkills (AICTE)