Preetham Velamala

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🖥 LeetCode </> GeeksforGeeks ❯ CodeChef ❯_ HackerRank

Objective

Motivated Computer Science undergraduate with strong skills in Java, DSA, and Frontend development. Passionate about solving real-world problems through code and actively contributing to personal and academic projects. Seeking opportunities to apply my skills in a challenging software development environment.

Education

Aditya College of Engineering, Surampalem   **2023 – Present**

B.Tech in Computer Science Engineering   *Kakinada, India*

Projects

Internship Application Tracker – Java Console Application | *Java, OOP, DSA*   **June 2025**
- Built a command-line system to organize and track internship/job applications.
- Used `ArrayList` and `HashMap` for efficient CRUD and lookup operations.
- Enabled filters and sorting based on application status and dates.
- Used by peers to manage over 50 applications; structured using clean OOP principles.
- GitHub: Internship_Tracker

AI-Based Traffic Signal Optimization System | *Java, DSA*   **2024**
- Simulated adaptive traffic signal controller using Java and custom logic.
- Used queues and logic structures to prioritize lanes based on traffic flow.
- Reduced average simulated vehicle delay by approximately 35%.
- Collaborated with a 3-member team, handled back-end logic and test cases.
- GitHub: AI-Traffic-Signal-Optimization

Technical Skills

Languages: Java, C++, Python

Web: HTML, CSS, JavaScript (Basic)

Tools: Git, Visual Studio Code, GitHub

CS Concepts: Data Structures and Algorithms, Object-Oriented Programming (OOP)

Certifications

Cisco Networking Academy – **Programming Essentials in C** and **Python Essentials** (2023)

Oracle Academy – **Java Foundations** (2024)

NPTEL – **Introduction to Internet of Things (IoT)** (2024)

Achievements

1st place in **APT Logic Coding Challenge** organized by Technical Hub (2024)

Coding Profiles

LeetCode: 170+ problems solved

GeeksforGeeks: 100+ problems solved, 2-Star Coder

CodeChef: 2-Star Coder

Languages Known

English – Full Professional Proficiency

Hindi – Limited Working Proficiency

Telugu – Native Proficiency