Rohit Nunnaguppala

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💼 LinkedIn | 🐙 Github | </> Leetcode | </> Codeforces | 📍 Visakhapatnam

OBJECTIVE

A B.Tech student at Amrita Vishwa Vidyapeetham in Computer Science and Engineering, having practical experience in web applications and database systems. Good at C, C++, Java, and Python programming. Self-motivated and effective communicator with a record of leadership skills.

EDUCATION

Amrita Vishwa Vidyapeetham, Computer Science and Engineering, BTech	2022 – Present
CGPA - 8.40	Bengaluru
Hayagriva Education Institute, MPC	2020 – 2022
Percentage - 94.7	Visakhapatnam
Sri Chaitanya Techno School	2018 – 2020
Percentage - 100.0	Visakhapatnam

PROJECTS

- **Smart Adaptive Seating Allocation System 2024** *Jan 2024 - May 2024*
  Tools: [Java , Eclipse , Github] [🐙]
  - Developed a Smart Adaptive Seating Allocation System to enhance passenger safety and comfort in urban public transportation.
  - Used **Priority queue algorithms** to allocate seats based on individual needs, such as age, pregnancy, and health conditions.
  - Enhanced passenger safety and comfort by 30% and improved seating efficiency by 35% through a priority queue algorithm that considers individual needs and environmental factors.

- **Full Stack Blog App** *Aug 2023 - Dec 2023*
  Tools: [React, Node.js, and MySQL] [🐙]
  - Developed a Full Stack Blog App using **React** for the **front-end** and **MySQL** for **database management**.
  - Enhanced skills in **UI design**, **API setup**, and **data storage**, creating a seamless user experience.
  - Strengthened overall web development expertise through hands-on project execution.

- **FSM-Based Traffic Signal Controller** *Jan 2024 - May 2024*
  Tools: [Tinkercad, C, Simulink, Git] [🐙]
  - Designed and implemented an FSM-based Traffic Signal Controller to improve urban traffic management, handling multiple signal configurations with real-time sensor inputs.
  - Simulated the system using **Tinkercad** and deployed it in a real-world setup with Arduino Uno, LEDs, push buttons, and potentiometers.
  - Enhanced traffic flow and pedestrian safety by incorporating adaptive signal timings for more efficient control.

SKILLS

- **Programming Languages:** C++, C, Java , Python
- **Web Technologies:** HTML5, CSS3, Java Script, ReactJS,NodeJS,API's,
- **Database Systems:** Mysql
- **Cloud Technologies:** Amazon Web Services (AWS)
- **Other Tools & Technologies:** Git, Github, Visual Studio Code, Eclipse

ACHIEVEMENTS

- Achieved 5 star on HackerRank for C++ proficiency.
- Second International Conference on Inventive Computing and Informatics (ICICI 2024).
- Solved more than 300 problems on different coding platforms.