RITHICK R RAHUL

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Summary

Pre-final year CSE student at SSN College of Engineering with a strong interest in AI and Full Stack Development. Skilled in building AI solutions and scalable web applications through hands-on projects, research, and continuous innovation.

Education

Sri Sivasubramaniya Nadar College Of Engineering, kancheepuram, India   **2022-present**
- BE - Computer Science and Engineering | CGPA: **7.238**

Skills

- **Programming Languages:** C, Java, Python, JavaScript, TypeScript.

- **Web Development:** HTML, CSS, React.js, Material UI, Flask (Python).

- **Databases & Version Control:** SQL, Git, GitHub.

- **Specialized Skills:** Prompt Engineering.

Projects

EduVision: AI-Powered Lecture Notes Organizer *(ONGOING) (React.js, Flask, Python, Tesseract)*
- Developing a full-stack web application that converts PDFs into searchable text using OCR (Tesseract).
- Implementing Flask for backend processing and React.js for an intuitive UI, enabling seamless organization and retrieval of lecture notes.
- Designing an efficient keyword-based search system for quick access to extracted text.

Cryptocurrency Converter with Real-Time Price Visualization *(React.js, MaterialUI, Chart.js)*
- Built a real-time cryptocurrency converter that fetches data from the CoinGecko API for live currency exchange.
- Integrated Chart.js to display historical and real-time price trends, improving user insights and engagement. Developed an interactive and responsive UI using React.js and Material UI.

Cab Booking System with Shortest Path Optimization *(C, Dijkstra's Algorithm)*
- Designed a command-line cab booking system implementing Dijkstra's algorithm for optimized route selection.
- Utilized text file handling for managing user bookings and route data efficiently.
- Demonstrated strong algorithmic skills and proficiency in C programming.

Inventory And Payroll Management System *(Java, OOPs)*
- Developed a Java-based inventory and payroll system, integrating OOP principles for modular design.
- Enabled employee data management, transaction handling, and profit/loss calculations.
- Designed an intuitive interface for easy management of business operations.

Certifications

- **Problem Solving Through Programming In C -** Swayam NPTEL.
- **Google AI essentials -** Coursera.
- **Google Prompt Engineering -** Coursera.