

RITHICK R RAHUL

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Education

Sri Sivasubramaniya Nadar College Of Engineering, kancheepuram, India

2022-present

- BE Computer Science and Engineering | CGPA: **7.238**

Skills

C | Java | Python | Flask | Linux | HTML | CSS | JavaScript | React | Material UI | SQL Plus | MongoDB | Git

Projects

Cab Booking System - C Language

- Developed a command-line Cab Booking System in C using Dijkstra's algorithm for shortest path calculation.
- The project involves text file handling for data management, efficiently showcasing skills in algorithms and file management in C.

Inventory Management - JAVA/OOPS

- Built a Java-based system for storing payroll and inventory management, enabling users in handling employee data management, customer transactions and insights on profit/loss calculations.

Library Management System - SQLPlus/JDBC/Net Beans

- Developed a comprehensive Library Management System as part of a Database Management Systems course.
- Incorporating functionalities for managing books, genres, authors, customer details and their transactions.
- Built Front-end using JDBC and NetBeans and Back-end(Database) using Oracle SQL Plus.

EduVision: Lecture Notes Organizer - React, HTML, CSS, Flask (python), Tesseract, SQLite

- Developed a user-friendly web app using Python, Flask and React, integrating OCR (Tesseract) to convert PDF to images and into searchable text.
- Implemented efficient keyword-based search, organized text storage for easy access and seamless management of lecture notes.

Cryptocurrency Converter with Real-Time Price Visualization - React, MaterialUI, Python, Chart.js

- Developed a web-based cryptocurrency converter that fetches real-time data from the CoinGecko API, enabling users to convert cryptocurrencies to fiat currencies with real-time price visualization.
- Integrated Chart.js for interactive line graphs to display historical and real-time cryptocurrency price trends, improving user engagement and experience.

Certifications

- **Problem Solving Through Programming In C** - Swayam NPTEL
- **Cyber Security And Privacy** - Swayam NPTEL
- **UI/UX Workshop Using Figma** - Sri Sivasubramaniya Nadar College Of Engineering.

Volunteering

NSO - Volunteer at Sri Sivasubramaniya Nadar College of Engineering