Raghuveer Singh Panwar

Mobile: +91-7878811742

Email: raghuveersinghpanwar222@gmail.com

Github: github.com/Raghuveer222

Linkedin: raghuveersinghpanwar

SUMMARY

- Detail-oriented Full-Stack Developer with a strong foundation in C++, Java, Python and modern JavaScript frameworks (React.js, Node.js). Proficient in building scalable web applications using MERN stack and integrating machine learning models with expertise in Data Structures and Algorithms.

SKILLS SUMMARY

- **Languages:** C++, Python, Java, HTML5, CSS3, JavaScript
- **Frontend:** React.js, Redux Toolkit, Tailwind CSS
- **Backend:** Node.js, Express.js, MongoDB, SQL
- **Core Concepts:** DSA, OOP, DBMS, OS, Machine Learning
- **Tools:** Git, GitHub, Postman, Docker

PROJECTS

- **Transport Scheduling System** — MERN Stack Application
  React.js, Node.js, Express.js, MongoDB, Google Maps API — *Oct 2024*
  - **Full-Stack Development:** Engineered a comprehensive transport scheduling application with real-time tracking capabilities, integrating Google Maps API for location-based services and route optimization.
  - **Secure Backend Architecture:** Developed robust Node.js backend with JWT authentication and RESTful APIs, implementing secure user authentication, authorization middleware, and data validation for reliable backend operations.
  - **Production Deployment:** Deployed application on Render platform with responsive React frontend, reducing scheduling errors by 20% and significantly improving user experience for transport management operations.
  - **State Management & UI/UX:** Implemented Redux Toolkit for efficient global state management and built responsive user interfaces using React.js and Tailwind CSS, ensuring seamless cross-device compatibility and intuitive user interactions.
  - **Database Design & API Integration:** Designed optimized MongoDB schemas for efficient data storage and retrieval, implementing RESTful API endpoints with proper error handling and data validation to ensure robust communication between frontend and backend systems.

- **Automated Web Scraping & Email Campaign System** — Node.js Application
  Node.js, Axios, Cheerio, Nodemailer, Express.js — *2024*
  - **Intelligent Web Scraping Engine:** Built a multi-website scraping system using Axios and Cheerio to extract business contact information from multiple sources, implementing configurable depth crawling (0-3 levels) and smart pagination handling for efficient data collection.
  - **Automated Email Campaign System:** Developed an automated email marketing solution using Nodemailer with Gmail integration, featuring intelligent rate limiting to comply with Gmail's 500 emails/day restriction and random delays (6-18 seconds) between sends to simulate human behavior.
  - **Data Management & Duplicate Prevention:** Implemented robust data persistence system storing scraped data in JSON and CSV formats, with intelligent duplicate detection mechanism tracking sent emails to prevent redundant communication and ensure campaign efficiency.
  - **Safety Features & Error Handling:** Integrated comprehensive error handling with automatic retry logic, configurable timeout settings (5-15 seconds), and real-time progress tracking with detailed logging for monitoring campaign performance and troubleshooting.

EDUCATION

- **Vellore Institute Of Technology** — Bhopal, Madhya Pradesh
  Bachelor of Technology - Computer Science and Engineering; CGPA: 8.72/10 — *Aug 2023 - Present*
- **Courses:** Operating Systems, Data Structures, Algorithms, Object-Oriented Programming, Database Management Systems, Machine Learning

CERTIFICATIONS

- **Operating Systems and Systems Programming:** [Cursa (John Kubiatowicz)](Cursa), 2024
- **The Bits and Bytes of Computer Networking:** Coursera, 2024
- **Programming in Java:** [Vityarthi, VIT Bhopal University](Vityarthi), 2025
- **Introduction to ML:** [Vityarthi, VIT Bhopal University](Vityarthi), 2023

ACHIEVEMENTS

- Solved 100+ Data Structures and Algorithms problems on LeetCode, demonstrating strong problem-solving skills and algorithmic thinking.
- Achieved CGPA of 8.72/10, maintaining consistent academic excellence while actively participating in technical and extracurricular activities.
- Successfully deployed full-stack MERN application to production, demonstrating end-to-end development and deployment capabilities.