Vikas Singh

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**TECHNICAL SKILLS**

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| **Languages:** C, C++, Java, Python, JavaScript  **Developer Tools:** VS Code, MYSQL Server, Pycharm, MongoDB Compass/Atlas, Postman, IntelliJ **Technologies/Frameworks:** ReactJS, NodeJS, ExpressJS, Tailwind Css, Spring Boot  **Other Skills:** Data Structures, OOPs, Linux, Computer Networks, Operating System, Bash, SQL, RDBMS, DevOps, Git, Github  **EDUCATION** |
| **Dayananda Sagar Academy of Technology And Management 2019 — 2023**  B.E - Electronics and Communication **CGPA** - **8.67** Bengaluru, Karnataka  **WORK EXPERIENCE** |
| **Moog India Technology Center June 2023 — May 2024**  Software Test Engineer Bengaluru, India  • Analyzed and understood functional requirements defined in the Software Development Document (SDD) to ensure 100% test coverage of functional requirements.  • Verified Embedded C code implementation against the SDD to identify and report any mismatches or deviations from functional requirements.  • Experienced in embedded systems testing, including compliance with DO-178 B/C safety standards.  • Developed test cases based on low-level requirements and created PTU test scripts, ensuring effective DO-178 B/C code coverage for safety-critical aerospace software.  • Executed 50+ PTU (Program Test Unit) files weekly on target hardware utilizing IBM RTRT (Rational Test Real Time) for rigorous software validation and verification, ensuring robust performance and reliability.  • Utilized tools like MATLAB and RTRT for test case management and defect tracking, ensuring timely resolution of issues.  **PROJECTS** |
| [**Job Portal** 域](https://job-mitra-pgcr.onrender.com) | MongoDB, Express.js, React, Node.js **2025**  • Developed a full-stack job portal application using MERN stack.  • Engineered secure RESTful APIs utilizing JWT-based authentication for a job portal application, enabling seamless job posting, streamlined searching, and efficient application management for over 100+ users.  • Integrated advanced search and filtering functionality for job seekers to easily find relevant job postings.  • Created an employer dashboard for managing job postings, applications, and candidate interactions.  • Enabled users to apply for jobs, update profiles (including profile picture, skills, resume, bio, and description), and track the status of their applied jobs.  [**Shopping-Cart** 域](https://stalwart-empanada-88c4f7.netlify.app/) | HTML, CSS, Tailwind, React **2024**  • Developed a fully functional e-commerce shopping cart application using React.  • Designed modular components for product listing, cart management, and checkout.  • Implemented a responsive and interactive UI using TailwindCSS for optimal user experience.  [**Prediction of Parkinson’s Disease using ML** 域](https://github.com/Vikzz123/Parkinsense/tree/main/final/parkinsense) | HTML, CSS, Python, Flask, Google Colab **2023**  • Forged a user-friendly HTML form for uploading spiral drawings and inputting crucial information, which  improved data acquisition for feature extraction and predictive modeling, achieving an 96% data accuracy rate.  • Process the spiral drawings to extract features, and use the Random forest model for prediction.  • Shows the prediction results back to the user on the web application.  **CODING PLATFORMS** |
| • Solved **380+** Problems on **Leetcode**. [域](https://leetcode.com/u/Vikzz123/)  • **2\*** on **Codechef**. [域](https://www.codechef.com/users/vikasdsatm_123)  • **5\*** in both CPP and Problem Solving on **Hacker Rank**. [域](https://www.hackerrank.com/profile/vikaszenithian)  • **Level 7** on **Code360**. [域](https://www.naukri.com/code360/profile/Vikaszenithian)  **CERTIFICATIONS** |

• [Problem Solving & SQL - HackerRank](https://www.hackerrank.com/profile/vikaszenithian)

• [HTML, CSS & JavaScript - Udemy](https://www.udemy.com/certificate/UC-e27d0695-83ac-496d-a4a7-f746ca32e01f/)

• [Data Structures - Coursera](https://www.coursera.org/account/accomplishments/verify/336BWXB2ZS9S) • [OOPs Concept - Udemy](https://www.udemy.com/certificate/UC-bd965163-0bc2-4e09-96db-40965141f91e/)

• [Software Engineering Job Simulation - Goldman Sachs](https://drive.google.com/file/d/15YX88Vtg8GO3CvJxfU0JRcyYIPkbrhHY/view?usp=sharing)