

Harmanjeet Singh

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TECHNICAL SKILLS

Languages: JavaScript, C/C++, HTML/CSS

Frameworks: React.js, Node.js, Express.js

Databases: MongoDB, MySQL

Tools: Git, Docker, Jira, Selenium, Bitbucket

Concepts: Data Structures, Algorithms, OOP, REST APIs

PROFESSIONAL EXPERIENCE

Safepass

Bengaluru, India

Software Development Engineer in Test

Oct 2024 – Mar 2025

- Developed LabVIEW automation scripts that improved AOI machine productivity by 200%
- Implemented image capture diagnostics to resolve installation faults in AOI machines
- Designed hardware-software integration solutions for optimal machine performance
- Collaborated with cross-functional teams to automate testing procedures

ReferLoan

New Delhi, India

Software Engineer Intern

Dec 2023 – Mar 2024

- Built automated test suites using SeleniumJS, improving code quality by 30%
- Designed MongoDB schemas and implemented Node.js backend connections
- Utilized Jira and GitHub in Agile workflow, increasing team productivity by 20%
- Developed front-end components and integrated them with backend APIs

EDUCATION

University of Delhi

New Delhi, India

M.Sc. Informatics — GPA: 8.0/10

Dec 2022 – Jul 2024

University of Delhi

New Delhi, India

B.Sc. (Hons) Electronic Sciences — GPA: 8.0/10

Jul 2019 – May 2022

PROJECTS

CarPooling Application — React, Node.js, MongoDB, Firebase — GitHub

Oct 2023 – Dec 2023

- Built a full-stack carpooling platform using MERN stack with features like ride matching and scheduling
- Implemented user authentication using Firebase Auth and managed data with MongoDB Atlas
- Integrated payment functionality using Stripe API for ride fare transactions
- Optimized frontend performance using React hooks and context API for state management

Interview Scheduler — MERN Stack, WebRTC — GitHub

Jan 2024 – May 2024

- Developed a video interview platform with real-time communication using Socket.io and WebRTC
- Created REST APIs for user authentication, interview scheduling, and profile management
- Implemented a responsive UI using React with Material-UI components
- Utilized MongoDB for storing interview records and user profiles

ACHIEVEMENTS

- Ranked top 20% (4217/21482) in LeetCode coding competition
- Solved 260+ problems on LeetCode (2-star rating)
- Solved 150+ problems on GeeksforGeeks coding platform