

Daivik Saharan

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TECHNICAL SKILLS

Programming: C, C++, Java, Python.

Frontend Development: Angular, ReactJS, HTML5, CSS, JavaScript, TypeScript.

Backend Development: Node.js, Express, Spring Boot, JUnit5, REST.

Databases: MySQL, Oracle, MongoDB.

Developer Tools: Git, Docker, AWS, Postman, CI/CD.

EDUCATION

Concordia University

Master of Applied Computer Science - GPA: 3.77/4.30

Sep. 2023 – Apr. 2025

Montreal, Canada

University Institute of Engineering and Technology

Bachelor of Technology: Computer Science Engineering - CGPA: 9.04/10.00

Aug. 2018 – May 2022

Kurukshetra, India

EXPERIENCE

Teaching Assistant – Programming and Problem-Solving

Concordia University

Sep. 2024 – Dec. 2024

Montreal, Canada

- Led **JAVA** tutorials and mentored **34 students** to improve their programming skills and problem-solving abilities by providing hands-on guidance and one-on-one support.
- Managed lab sessions, assisting students with hands-on coding exercises, and implementation of the complex data structures.

Systems Engineer

Infosys Limited

Aug. 2022 – Jul. 2023

Bangalore, India

- Built critical features for the Precision Dispatch System (**Create New Train and Track Progress of Train**) in Angular, optimizing real-time **tracking for 1,000+ daily operations** and cutting **dispatch errors by 20%**.
- Resolved **50+ critical backlog bugs** across **Angular and Spring Boot** in the Precision Dispatch System's web and desktop applications, significantly improving system reliability.
- Conducted thorough automated testing and validation, **achieving 90% code coverage**.
- Developed **pagination technique** to optimize charts display, reducing **data load per request by 3x**.

Front-end Engineer Intern

Alore-Growth OS

May 2021 – Aug. 2021

Bangalore, India

- Led the end-to-end development of an internal reporting tool using Angular and Spring Boot, enhancing the efficiency of **monitoring employee and client activities by 85%**.
- Worked on the user interface for Alore's Google Chrome extension, enabling efficient extraction of information from web pages, which **boosted data retrieval speed** by efficient DOM parsing and asynchronous data processing.
- Implemented **responsive UI dashboards** and accessibility enhancements in Company's Product **v2.0**, increasing **cross-device engagement by 30%**.
- Integrated **SonarQube** with **CI/CD** pipelines and implemented unit testing with **JUnit**, reducing technical debt and **increasing test coverage from 75% to 93%**.

PROJECTS

ShopHere | Angular, MongoDB, Express, Git

- Developed ShopHere, a fully responsive eCommerce application leveraging Angular, Express.js, and MongoDB featuring robust CRUD operations, advanced search with Angular Pipes, secure authentication using bcryptjs and an optimized mobile-friendly design for seamless cross-device user experiences.

Talkytron | React, Vite, Google Gemini API, Git

Live Project

- Built a conversational AI interface, handling real-time NLP-based prompts and rendering model outputs in a dynamic chat layout. Designed a fully responsive interface with a 'show all history' feature for seamless conversation tracking. Used React's state management to optimize data handling and to ensure efficient performance.

Risk Warzone Game | Java, JUnit5, Git

- Engineered Risk Warzone, a Java-based strategy game offering world conquest experience. Designed with SOLID principles for maintainability and scalability, integrating STATE and ADAPTER patterns to handle game state transitions and player interactions. Created 100+ TEST CASES to ensure correct functionality and reliability.