

Antas Jain

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EDUCATION

Concordia University

Masters in Applied Computer Science

Montreal, Canada

Sept 2022 - May 2024

S.R.M Institute of Science and Technology

Bachelors of Technology in Computer Science and Engineering

Modinagar, India

May 2017 - May 2021

EXPERIENCE

Teaching Assistant - Web Programming

Concordia University

January 2024 - April 2024

Montreal, QC, Canada

- Taught 60+ students the core concepts of web programming including HTML, CSS, Javascript, NodeJS with hands-on approach

Associate Software Engineer - Full Stack

OpenText Technologies Pvt Ltd

July 2021 - July 2022

Hyderabad, India

- Contributed to the development of OpenText's Appworks, a low-code application development platform, and implemented crucial features enhancement at both the backend and frontend of the platform.
- Upheld CI/CD for Appworks components and was responsible for all drop-merging processes and error handling, developing and maintaining the automation test cases using Junit, and Selenium UI Units, for new features and supervising the successful implementation of new features.
- Engineered multiple vital workflow components for Opentext Appworks Platform.

Software Engineering Intern

OpenText Technologies Pvt Ltd

April 2021 - July 2021

Hyderabad, India

- Strategized platform maintenance scenarios for OpenText's Core Share, developed more than 20 automation tests, analyzed the performance of each component of Core Share, and shared knowledge with responsible teams.
- Learned concepts of **Javascript**, **Automation and Integration testing** while implementing them first-hand on large-scale products.

Android Developer Intern

Cubesquare Technologies - Startup

May 2019 - June 2019

Noida, India

- Developed Android applications for a law firm's internal communications and databasases, and an Application for movie reviews, ratings and watchlists.
- Implemented various Architectural patterns for multiple projects of the startup and developed a template application demonstrating the basic implementation of architectural patterns.
- Worked in a startup environment, gained first exposure to the IT Industry, and learned about various Software Development Processes.

PROJECTS - PLEASE VISIT [ANTASJAIN.TECH](https://antasjain.tech) FOR MORE PROJECTS IN PORTFOLIO

SuperWars - Superhero Card Game | *React, Redux, Bootstrap, JavaScript*

September 2024 - October 2024

- Designed and developed a dynamic card game leveraging React and Redux for state management, creating an engaging user experience through interactive gameplay.
- Implemented responsive UI components using React-Bootstrap, ensuring the application is user-friendly.
- Developed game mechanics allowing player to select superhero statistics for head-to-head battles with computer, utilizing custom hooks to manage game state and effects.
- Employed Redux for efficient state management, handling player data, game state, and character information seamlessly.
- Implemented asynchronous data fetching using `createAsyncThunk` to retrieve superhero data from an external API, ensuring timely updates to the game state.
- The project shall be built further to include real-time player vs player games as an audacious future update.
- Explore the project on GitHub: SuperWars and Web-app

Diabeat - Diabetes Recipes App | *Spring Boot, MySQL, JWT, Swagger, Android, Kotlin* March 2024 - Present

- Architected and developed a comprehensive API using Spring Boot to provide recipes tailored for diabetics, which also includes nutrition values.
- Implemented JWT-based session management to authenticate and authorize users securely, ensuring role-based access control for enhanced security of endpoints.
- Engineered RESTful APIs for managing recipes, ingredients, and bookmarks, supporting CRUD operations and ensuring efficient data handling and integration.
- Integrated Swagger for API documentation.
- Utilized MySQL for data persistence, ensuring reliable storage and retrieval of user-specific dietary information and preferences.
- Extending the application by developing an Android interface, using Kotlin as well as Java, providing users with convenient access to recipes. With features such as Search by Ingredients and bookmarking the recipes, while maintaining the MVP architecture for separation of concerns.

usePopcorn - Movie Search and Rating WebApp | *React, OMDb API, Custom Hooks* Feb 2024 - March 2024

- Developed custom React hooks for state management, local storage, and keyboard interactions, enhancing app functionality and user experience.
- Integrated the OMDb API to fetch and display movie data, incorporating error handling, loading states, and a reusable star rating component with dynamic and customizable features.

Student - Emotion Prediction Model | *Artificial Intelligence, Python, Neural Networks* Sept 2023 - Dec 2023

- Led design and training of PyTorch-based CNN for facial image analysis in project. Prioritized ethical considerations, experimented with architectural variations, and assessed performance metrics.
- Mitigated biases in the AI model through thorough analysis, addressing potential issues related to age and gender. Applied dataset augmentation and retraining strategies to enhance fairness and inclusivity in the project.

Open Source Contribution: OpenTracks | *Android, Java* Jan 2023 - Mar 2023

- Contributed towards increasing the efficiency of the Sensors component of Opentrack Fitness tracking application.
- Led a team of 5 toward working in an agile method, together fixed 100+ bugs and improved code quality by more than 20

TECHNICAL SKILLS

Programming Languages: Java, Javascript, HTML, CSS, Python, C, C++, Kotlin.

Concepts and Frameworks: Spring Boot, Hibernate, JPA, React, React-Redux, React-Bootstrap, Flask, Database management, SQL Dialects: MySQL, MSSQL, PostgreSQL; NOSQL DB, Image Processing, Artificial Intelligence, Machine Learning, NodeJs, ExpressJS, JUnit, Selenium.

Developer Tools: Android Studio, Eclipse, IntelliJ Idea, Jupyter Notebook, Spydar, VS Code, Git, SVN, Jira, Confluence, SQL Workbenches - MySQL, MSSQL, PostgreSQL

Strong Practical knowledge of Object Oriented Programming and Problem Solving