

# Fardin Abdullah

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## Education

**McGill University** – Montreal, Canada

**Expected Graduation: Dec 2024**

Bachelors in Computer Science and Statistics. **GPA: 3.74 / 4.00**

**Computer Science Tutor** – tutored 5+ CS courses, including Data Structures & Algorithms, Software Design, and OOP to 500+ students.

**Competitive Programming** – Honorable Mention, ICPC Northeast North America Regional Contest 2022.

## Experience

### Full Stack Developer Intern

**Morgan Stanley**

**Aug 2023 - Present | Montreal**

- Migrating a Spring backend to Spring Boot (Java), writing JUnit5 unit and integration tests, ensuring at least 80% code coverage.
- Developing, designing, and shipping 15+ Angular UI reusable components for developers to enhance their front-end projects.
- Resolving pain points and critical production bugs across 3 separate teams, improving application performance and stability.
- Engineering efficient CI/CD pipelines using Jenkins for seamless code deployment and automation, facilitating Agile development.

### Software Engineer Intern

**Morgan Stanley**

**May 2023 - Aug 2023 | Montreal**

- Architected the UI of a security dashboard in Angular, TypeScript, RxJS, and AG Grid, which manages 1 million+ permission records.
- Enhanced code consistency and reliability by scripting unit tests in Jasmine and Karma, increasing code coverage by 32%.
- Revamped backend RESTful APIs in Spring and SQL to incorporate offset pagination, improving data loading speed by a factor of 5.
- Wrote Gradle scripts to automate generating documentation using Sphinx, helping new team members onboard faster.
- Selected as one of the **top 15** interns to present my project at the Morgan Stanley Tech Expo 2023.

### Full Stack Developer

**Progenitek**

**Jan 2023 - Apr 2023 | Montreal**

- Developed 10+ webpages and multiple UI components for an applicant tracking system using ReactJS, Material UI, and Bootstrap.
- Designed REST API endpoints for CRUD functionalities in the backend using NodeJS and ExpressJS, and database models using MongoDB.

## Projects

### [Savorite Social Media](#) (ReactJS, NodeJS, ExpressJS, MongoDB, GraphQL, Material UI)

- Built a social media application where users can share photos, review, and recommend their favorite restaurant meals.
- Implemented secure authentication with JSON Web Tokens and built GraphQL APIs for CRUD functionalities (likes, dislikes, comments).
- Designed real-time searching by user, location, food, and tags using React Hooks and multi-page routing with React Router.

### [Momentum.io](#) (Angular, TypeScript, Django, SQLite)

- Developed a full-stack global platform for the youth to share their ideas and challenges based on their region and countries.
- Created 6 web pages using Angular and incorporated an NLP model (BERT) in the chat server filtering toxic messages with 92% accuracy.
- Spearheaded a team of 6 to win **2nd place** at the **Morgan Stanley (Code to Give) Hackathon** amongst **300+** participants.

### [Full Stack AI Healthcare App](#) (Python, Firebase, AWS, Docker, Google Cloud)

- Led a team of 3 to develop a healthcare app that connects people suffering from similar health conditions from their journals using AI.
- Incorporated user authentication, real-time database using Google Firebase, and UI animations using Streamlit.
- Won **1st place** in UI/UX category at **CodeJam(XI) Hackathon** amongst **150+** participants.

## Skills

**Languages** – Java, JavaScript/TypeScript, Python, SQL

**Frontend** – HTML/CSS, ReactJS, Angular, Material UI, Bootstrap

**Backend and Databases** – NodeJS, ExpressJS, Flask, MongoDB, PostgreSQL, Spring Boot

**Tools** – Git, Bash, Unix/Linux, Jira, Postman, Docker, Jenkins, Amazon Web Services, IntelliJ, VS Code