

# Haseeb Afzal

Toronto, Canada

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## EDUCATION

### University of Toronto

Toronto, ON

*Bachelor of Science in Computer Science*

*Sep. 2023 – June 2027*

- **Relevant Courseware:** Data Structures & Algorithms, Software Design, Software Tools & Systems Programming, Computer Architecture, Software Engineering
- **Deans list 2023/2024**

## EXPERIENCE

### Software Developer Intern

Toronto, ON

*Scatil International Ltd.*

*May 2024 – August 2024*

- Developed and maintained dynamic, full-stack websites using the React framework, improving user engagement and increasing traffic by 30%
- Engineered RESTful APIs with Node.js and integrated them with front-end components, enhancing user interactivity
- Collaborated with cross-functional teams to implement backend functionality and perform testing with Postman, Docker, and Jest, reducing debugging time by 40%
- Participated in agile development cycles and code reviews, contributing to scalable design decisions and clean, maintainable code

## PROJECTS

### **Analytics Dashboard** | *TypeScript, React, Express.js, PostgreSQL, AWS Lambda, Git*

- Developed a full-stack dashboard using React with TypeScript for front-end UI development
- Implemented a custom Express.js backend with PostgreSQL for user authentication, allowing users to store and track stock data
- Used AWS Lambda for scalable backend logic and data-fetching routines without dedicated servers
- Designed RESTful APIs to retrieve and display stock and weather data, ensuring responsive user experience

### **Carbon Emissions Tracker** | *Java, Mockito, Junit, Firebase, Git, Jira*

- Developed an Android-based sustainability application called Planetze using Java and Android Studio to encourage users to track and reduce their carbon footprint
- Integrated personalized carbon tracking features with Firebase authentication to ensure user data is tracked
- Enhanced user interaction with AI-powered Eco Agent, a chat interface for real time carbon feedback, utilizing Mockito for feature testing
- Partnered with a team in an agile environment, using Jira for task management and Git for version control, delivering a polished app within project deadlines

### **Stock Predictor** | *Python, Tensorflow, Keras, Pandas, Matplotlib, Flask, Scikit-learn*

- Built a web-based stock predictor model using a LSTM RNN, using data from Alpha Vantage Api, resulting in a 60% accuracy rate when predicting stock trends
- Streamlined data preprocessing by cleaning data, and feature engineering using pandas while improving model accuracy, reducing preprocessing time by 20%
- Trained a multi-layered LSTM model, optimizing performance for 3 month time-series forecasting of stock prices

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, Bash, JavaScript, Typescript, HTML5, CSS

**Frameworks & Platforms:** React, Node.js, Flask, Firebase, WordPress, Express.js, Next.js, MongoDB

**Libraries:** Pandas, NumPy, Matplotlib, Keras, TensorFlow, Scikit-learn, PyTorch

**Tools:** Git, Docker, PostgreSQL, AWS, Postman, Jest, Valgrind, JUnit, Mockito, Android Studio, VS Code, Power BI, MS Visio

**Concepts:** File I/O, Process Management, Shell Scripting, Unit Testing, CI/CD, Debugging