

# Hashir Ahmed

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## 👤 PROFILE

I'm a versatile software engineer with experience in machine learning and full-stack development. My diverse skillset and passion for innovation make me a valuable asset to any team, and I'm eager to contribute to your organization's success.

## 🧠 SKILLS

### Programming

Java, C/C++, C#, HTML/CSS, MySQL, JavaScript, PHP, Python, PostgreSQL, MongoDB, REST APIs

### Frameworks

Node.js, Express.js, Spring, Spring Boot, JUnit, OpenGL, Symfony, Twig, React.js, Hadoop, Spark

### Developer Tools

Git/Github, Visual Studio, Azure Machine Learning, ML Canvas, Azure Cloud, Tensorflow, Agile/SCRUM, Databricks, Postman, Docker

## 📁 PROFESSIONAL EXPERIENCE

### Associate Machine Learning Developer - Contract, AltaML

May 2023 – Sep 2023

- Designed, built, and optimized an **ETL pipeline** to codify and automate the ongoing Machine Learning (ML) use case for a large energy company, forecasting **churn rates** of customers using internal data and contemporary **ML models** such as **Logistic Regression, Random Forest, Naive Bayes classifier** and more.
- Collaborated in developing an innovative copilot tool using cutting-edge **LLM (Language Model)** technology, specifically the **text-DaVinci-003** model from OpenAI, to enhance non-technical employees' interactions with **Airtable**.
- Leveraged **Azure Machine Learning services** to develop machine learning models, manage and test ETL pipelines, perform data warehousing, and conduct experiments.
- Coordinated and **led the team** to ensure deliverables were of high quality and on time.

### Software Quality Assurance Intern, Mobility Quotient Inc.

May 2021 – May 2022

- Conducted Unit testing on **10+ software**, including websites and mobile apps.
- Designed and executed tests** on app usability, recorded errors and bugs, and ensured user expectations were met.
- Reported over **1000+ bugs** from evaluating and testing software to project-specific requirements.
- Conducted **rigorous testing** of critical APIs to ensure functional validation and optimal performance

## 🎓 EDUCATION

### Software Engineering, University of Calgary

2018 – 2023 | Calgary, Canada

- Bachelor of Science in Software Engineering with Distinction.**
- GPA: 3.52**
- Relevant Coursework:** Data Structures & Algorithms, Software Development/ Design, Data Base Management Systems, Software Testing, Software Architecture, Software Requirements, Scalable Data Analytics, Data Science.

## 📁 PROJECTS

### Flexiform (Capstone)

Apr 2023

- Developed a web-based computer-aided design (**CAD**) tool as a capstone project to enhance prosthetic **mesh editing** for hand amputees.
- Utilized **Unity game engine, C#, and WebGL** for web-based implementation.
- Implemented mesh filling and casing features, and designed an **intuitive UI** for seamless mesh modification.
- Result:** Developed a valuable tool bridging technology and healthcare, showcasing **strong problem-solving** and software development skills.

### ML Classification on Medical dataset

Dec 2022

- Developed classification machine learning models to predict the need for diabetes medication, contributing to improved patient care and treatment outcomes
- Orchestrated ML workflows, including data processing, exploratory data analysis, and model training, utilizing Databricks and Apache Spark to process large medical datasets efficiently
- Applied hyperparameter tuning techniques to optimize model performance, resulting in more accurate predictions