# **Hashir Ahmed**

# **₽** 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.



## **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, Docker

#### **Developer Tools**

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

# **■** PROFESSIONAL EXPERIENCE

# Associate Machine Learning Developer - Contract, AltaML

May 2023 - Sep 2023

- Designed, built, and optimized a machine learning 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 data pipelines, and conduct experiments.
- Coordinated and led the team to ensure deliverables were of high quality and on time.

# Data Analyst/QA Intern, Mobility Quotient Inc.

May 2021 - May 2022

- Conducted 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.
- Analyzed structured data (JSON-LD, oEmbed, etc.) on E-commerce sites to see if they were eligible to be put on Sokolocal.com.

### **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.

## **Sokolocal Themed Online Store**

Aug 2021

- Developed a fully functioning front-end for a Sokolocal-type site (Sokolocal is an e-commerce site developed by Mobility Quotient Inc.)
- The purpose of this project was to learn the **Symfony PHP framework** and learn to create a complete front-end, using the Sokolocal API to connect to the database

# **Theatre Booking System**

Dec 2020

 Developed a full-stack Java application using the Spring framework, MVC layout, and MySQL database, exploring object-oriented design and development, client-server architecture, JDBC, GUI, and Git version control