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