Mohammad Hamza Asif . Jarvis Consulting

Im an Ontario Tech University Alumni with a B.Eng. Honours in Software Engineering specializing in IoT. During my studies, I gained hands-on experience as a Software Engineer Intern at Bell Mobility, where I led optimization projects and implemented automation solutions to enhance system efficiency. I worked closely on cross-functional teams to develop machine learning models that significantly improved customer acquisition strategies. My expertise includes cloud computing, data management, and AI-driven analytics, with a passion for driving innovation in large-scale automation and predictive technologies. In my free time, I enjoy playing chess and staying active by weightlifting.

Skills

Proficient: Java, Python, C++, Bash, SQL, Agile/Scrum, AWS, Google Cloud, Git, Alteryx

Competent: Mobile Development, HTML, CSS, JavaScript, React, Docker, Kubernetes

Familiar: Hadoop, Hive, C#, PHP, Swift

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_MohammadAsif

Linux Cluster Resource Monitoring App [GitHub]: Implemented a solution to monitor nodes using Bash to collect various hardware data and resource usage. The data was collected and stored in a PostgreSQL server, which runs inside a Docker container. The database was updated via crontab.

Highlighted Projects

Adaptive Cruise Control: Developed an autonomous vehicle software using Python, C, ROS2, Autoware, and YOLOv5 to implement platooning and cruise control, contributing to the open-source Autonomous Vehicle Stack Autoware.

P2P Social: Developed a Peer-to-Peer distributed system utilizing Blockchain, Encryption, Java, and SQLite to enhance social network security, experimenting with Blockchain technology and security practices.

Professional Experiences

Software Engineer Intern, Bell Mobility (May 2022 Aug 2023): Worked with software development and machine learning teams to optimize accuracy in mobility predictions. Completed using C#, python and in-house applications for extension development and data science libraries like pandas, xgboost, numpy, Keras and Scikit-learn.

Junior Software Engineer, Jarvis (Sep 2024 Present): Working with the software consulting team utilizing GCP, Git, Linux, Bash, and Docker to optimize and automate processes.

Education

Ontario Tech University (Sep 2019 Apr 2024), Bachelor of Engineering (Software Engineering), Software Engineering - Fall 2021 President's List - Winter 2022 Dean's List - Fall 2023 Presidents List - Winter 2024 Dean's List

Miscellaneous

- AWS Certified Cloud Practitioner
- AWS Cloud Essentials
- Playing chess
- Weightlifting