

Ali Asjad

226-337-4726 / aasjadd@uoguelph.ca / linkedin.com/in/ali-asjad-412515229 / github.com/Ali-Asjad

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Postgres/MySQL), NoSQL (DynamoDB) JavaScript, HTML/CSS, R/RStudio

Frameworks: Vue, Node.js, Flask, Flutter, Quarkus, React

Developer Tools: Git, AWS, VS Code, Postman, Insomnia, Docker, Firebase, REST APIs

Libraries: NumPy, dplyr, ggplot2, OpenCV, JFlex, CUP

EDUCATION

University Of Guelph

Guelph, ON

Bachelor of Computing in Computer Science, Minor in Business Economics

Sep. 2019 – May 2024

- Relevant Coursework: CIS*2430 Object Oriented Programming, CIS*3110 Operating Systems, CIS*3760 Software Engineering, CIS*4020 Data Science, CIS*3700 Intro to AI, CIS*4010 Cloud Computing

Arab Unity School

Dubai, U.A.E

A-Levels in Math's, Physics, and Information Systems

Aug. 2017 – June 2019

EXPERIENCE

Programming Assistant

May 2022 – Present

University of Guelph

Guelph, ON

- Developed REST APIs using Postman and PostgreSQL with Python, improving data retrieval times by 30%.
- Created a full-stack web application using Flask, Vue, PostgreSQL, and Python, resulting in 25% increase in user engagement.
- Implemented a file validation function in the backend using Flask and JavaScript, reducing file processing errors by 40%.

Software Intern

May 2021 – Aug 2021

TereSol Pvt. Ltd.

- Created micro-services for front-end, back-end and middleware in Quarkus using Java, Vue.js and MySQL, which improved application scalability by 50%.
- Developed REST APIs using Insomnia and MySQL with Java enhancing database query performance by 35%.
- Conducted stress/load tests on APIs using JMeter and k6, leading to a 20% increase in system reliability under high load.
- Explored ELK stack to maintain system logs, improving log tracking efficiency by 45%.

PROJECTS

Course Scheduler / Python, Flask, React, PostgreSQL, AWS

Sept. 2022 – Dec. 2022

- Collaborated with a team to develop a full-stack web application using with Flask serving a REST API with React as the frontend hosted on AWS.
- Implemented the backend to parse data from an HTML file using python, exporting data to CSV files, and hosting it on DynamoDB.
- Developed REST APIs with Python to connect the backend to the front end, enhancing data interaction efficiency by 25%.
- Setup CI/CD pipelines using GitLab, automating testing and deployment, reducing manual errors by 40%.

AI Text Summarizer / Postman, Hugging Face Inference API, HTML/CSS, JavaScript

Nov. 2023

- Developed a full-stack web app using plain HTML/CSS, JavaScript, and Hugging Face Inference API, summarizing user input text.
- Utilized Facebook's "bart-large-cnn" model for text summarization, achieving a 90% accuracy rate in user satisfaction tests.
- Created REST APIs to interface with Facebook's LLM, improving text summarization response times by 30%.
- Implemented JavaScript to handle user input and API request/response, ensuring seamless user experience.

Rentr / Flutter, Firebase

Present

- Working with Flutter to develop a mobile app that allows the user to rent and lend household items.
- Using Firebase to build the app and host the database.