ATIQUL ISLAM

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EDUCATION

McMaster University   Hamilton, ON
Bachelor of Engineering, Computer Engineering (Co-op)   *SEP 2018 – JUN 2023*
- Relevant Coursework: Data Structures and Algorithms, Software Development, Embedded Systems, Programming and Computation, Numerical Methods of Engineering

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, C#, JQuery, Java, C, C++, HTML/CSS, Bash, JQuery
Frameworks & Libraries: React, Node.js, Express, .NET, Node.js, Flask, Django, NumPy, Pandas, Matplotlib
Tools & Miscellaneous Technologies: Git, Docker, XML, Unix, Jenkins (CI/CD), Bitbucket, Jira, VS Code, Visual Studio, Eclipse, OOP, APIs, Agile, SDLC
Databases: MongoDB, Oracle, PostgreSQL, Firebase

PROFESSIONAL EXPERIENCE

Software Engineer Intern   JAN 2022 – AUG 2022
CGI   *Toronto, ON*
- Utilized **Python and Linux scripts** to facilitate the deployment of 12+ microservices, ensuring successful delivery of software to **capital markets** in an **Agile** environment.
- Utilized **Oracle** to write **SQL queries**, **indexes**, and **reports** to analyze data-related problems across various tables, achieving 20% faster resolution of issues.
- Created and managed **CI/CD pipelines** with **Jenkins**, **Python**, and **Bash** to efficiently deploy files to diverse server environments, cutting down deployment time by 15%.
- Achieved seamless environment management through **Python** scripts utilizing **Selenium** for web scraping and automated SSH and SQL server connections, enhancing analysis capabilities.
- Participated actively in code reviews and quality assurance activities, resulting in considerable cost and time savings estimated to be up to 3 hours for each release.

IT Infrastructure and Development Intern   SEP 2021 – DEC 2021
Innunco Academy   *Toronto, ON*
- Utilized **JavaScript, JQuery, HTML, and CSS** to build and update multiple pages, resulting in a 10% increase in client engagement.
- Leveraged **Python, Pandas, and Excel** to create customized automation solutions and data reports for file management, significantly improving operational efficiency and productivity, and saving 30% in deployment time.
- Proactively maintained and updated online systems, promptly **troubleshooting** technical issues to minimize disruptions and achieve a 6% increase in client satisfaction.

PROJECTS

Pokedex Web Application | *React, Node.js, Rest APIs, JSON, JavaScript, HTML/CSS, Git*
- Created a web app to display all Pokemon and their information using **React** and **REST APIs**.
- Implemented a responsive frontend interface that enables users to navigate through various generations of Pokemon, leveraging **React hooks**.

Smart Security System | *Python, Flask, Machine Learning, JavaScript, HTML/CSS, Git*
- Led the development of a RPI-powered smart security system, utilizing **advanced algorithms**, **data structures** and **machine learning** for real-time intruder detection and alert notifications.
- Wrangled over 2 GB of raw facial data to train the model and implemented an asynchronous video feed for seamless real-time display based on the raw data.

Bug Tracking Application | *C# (ASP.NET), SQL, JavaScript, HTML/CSS, Git*
- Created a robust full-stack web app for issue tracking and management using **C# (ASP.NET)** backend, **JavaScript** frontend, and **SQL** database.
- Implemented maintainable C# MVC structure using **Entity Framework Core** for optimized data handling, user interactions, and business logic across 12+ models and 20+ Razor pages.