

Hamza Farooq

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EDUCATION

McGill University

Bachelor of Arts - Triple Major - Computer Science, Economics and Finance.

Sept 2019 - Dec 2023

Montreal, Canada

EXPERIENCE

Hack4Impact

Software Developer

Aug 2022 - Present

Montreal, Canada

- Part of the development team for a CRM tool for a Montreal-based nonprofit, which allowed employees to keep trace of their volunteers' information more effectively.
- Worked in an AGILE development environment along with a PM, a Tech Lead, and 5 developers.
- Tech stack: Typescript, TypeORM, React.js, Express.js

Coveo

Business Analyst Intern - Information Systems

May 2022 - Aug 2022

Montreal, Canada

Project Management

- Introduced a new streamlined and automated process for projects and demands in the project management office by implementing Asana-Jira and Asana-ServiceNow integrations.
- Implemented several KPIs and metrics in Asana for more accurate reporting across the Project Management Office such as Cost tracking, gates schedule and delivery accuracy using AGILE development and delivery methodology.

Business Strategy Management

- Created a new strategic framework to be adopted across the company to align different business units' objectives and projects in a global roadmap.
- Supported tech stack road mapping and ROI optimization by introducing and decommissioning tools in the company's tool stack.

PERSONAL PROJECTS

Emotion Detection Using CNN

- Developed a machine learning model for emotion detection using AlexNet convolutional neural network.
- Deployed the ML model on a webapp using Flask.
- Tech stack: Python (Tensorflow, Keras, Numpy, Pandas) HTML, CSS, Javascript, Flask

Python Game

- Developed an interactive survival game called Fireball with animations using Python's Pygame Library.
- Implemented collision recognition from scratch using the Math library.
- Tech stack: Python (Pygame, Math)

Malware Detection Using Random Forest Classifiers

- Used Random Forest Classifiers to create a malware detection model with an accuracy of 97%.
- Tech stack: Python (Tensorflow, Keras, Numpy, Pandas) HTML, CSS, Flask

Personal Website

- Developed a responsive website using HTML, CSS and javascript.

Web dev Projects

SKILLS

Languages: Python, Java, Javascript, HTML, CSS, SQL, C, Bash

Libraries and Frameworks: Pytorch, Tensorflow, Keras, Numpy, Pandas, Flask, React, Express.js

Relevant Courses: Software Systems, Software Design, Data Structures and Algorithms, Database Systems, Advanced Microeconomics and Macroeconomics, Economic Statistics, Econometrics, Accounting, Applied Corporate Finance, Investment Management