Hamza Farooq

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EDUCATION

McGill University   Sept 2019 - Dec 2023
Bachelor of Arts - Triple Major - Computer Science, Economics and Finance.   *Montreal, Canada*

Languages: Python, Java, HTML, CSS, Javascript, C, SQL, TypeScript
Frameworks and Libraries: Node.js, Express.js, React.js, Flask, Tensorflow, Keras, Cv2
Tools: Bash/Unix/Linux, Microsoft Azure, Docker, Git
Hackathons: Codejam,, Mchacks.

EXPERIENCE

Hack4Impact   Aug 2022 - Present
Full-stack Developer   *Montreal, Canada*
• Collaborated with a Project Manager, Tech Lead, and 5 developers in an AGILE environment at Hack4Impact, a Student-run organisation, which designs and develops software solutions for non-profit organisations.
• Contributed to the development of a CRM tool using React for the frontend and Typescript for the backend.
• Tech stack: Typescript, TypeORM, React.js, Express.js, MUI, Docker

McGill Artificial Intelligence Society Machine Learning Bootcamp   Sept 2022 - Dec 2022
Software Developer   *Montreal, Canada*
• Developed an emotion detection webapp using Flask which was presented at the McGill AI Project Fair.
• Tech stack: Python (Tensorflow, Keras, Numpy, Pandas, Flask, Sklearn) HTML, CSS, Javascript

Coveo   May 2022 - Aug 2022
Business Analyst Intern - Information Systems   *Montreal, Canada*
• 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.
• Created a new strategic framework to be adopted across the company to align different business units' objectives and projects in a global roadmap.
• Created and maintained documentation for the project management office on Confluence.
• Skills: Asana, Project Automation, Metric Implementation, Strategic Alignment, Documentation Management

PERSONAL PROJECTS

Recipe App   January 2022
• Deployed a full-stack responsive web-app on Microsoft Azure and netlify that fetches data from the MealDB API. Error handling was also implemented for empty inputs and unsuccessful API requests.
• Tech stack: HTML, CSS, Javascript

Personal Website   December 2022
• Developed a full-stack responsive website to showcase all my projects using React icons and MUI for the front-end.
• Used Emailjs and Whatsapp API for the backend to enable communication directly from the website.
• Tech stack: HTML, CSS, Node.js, React.js

Emotion Detection Using CNN   Sept 2022 - Dec 2022
• Developed a web-app using Flask for facial and emotion detection using the AlexNet convolutional neural network which uses a computer's webcam as input and uses the ML Model to predict the emotion that matches the input.
• Tech stack: Python (Tensorflow, Keras, Numpy, Pandas, Flask, cv2) HTML, CSS

Fireball   July 2021 - Dec 2022
• 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   December 2022
• Used Random Forest Classifiers to create a malware detection model with an accuracy of 97%.
• Tech stack: Python (Tensorflow, Keras, Numpy, Pandas)

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