SOBAN FARHAN

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TECHNOLOGY STACK & SKILLS

- C#
- JavaScript
- Python
- PostgreSQL

- .NET Services Framework
- Node.js & React
- Django & Flask
- Project Management

- SQL Server
- TypeScript
- Heroku
- Version Control Tools

PROFESSIONAL EXPERIENCE

ReSound Music Licensing, Toronto, ON

Programmer Analyst   **May 2021 – Present**

Oversee our existing systems named OPUS and EPICOR. OPUS is a windows client-server application and EPICOR is an API used by our other divisions for CRUD operations. Achievement Highlights:

- Utilize stored procedure and multithreading approach to improve existing API's (**EPICOR**) performance. Compared to the old system, the request processing time are faster on average by 40%.
- Led our three-part testing sync, with the creation of 50,000 users and 300,000 invoices rows of mock data. Used the results to improve code, and identify any bugs caught during runtime.
- Work closely with supervisor and other division to gather requirement for new feature requests.
- Participate in pull request's code reviews and used the provided feedback to find and implement alternate approach to the giving issue. Used this as a learning opportunity to expand my horizon on how to approach certain issues in the future.
- Attend daily SCRUM and distribution meetings with the team to gather other's work progress.
- Manage daily tickets to provide reporter with progress on bug-fixes.
- Participated in creating CI/CD pipeline to automate testing for new system's features.

Environment: C#, .NET, SQL Server, Python, Flask, Django, Jira, Bitbucket

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Durham College – AI Hub, Oshawa, ON

Research Assistant   **January 2019 – August 2020**

Led projects which were in collaboration with client companies (no names due to NDA) that were looking to add AI and machine learning to their software suites to help decision-making. Achievement Highlights:

- Created machine learning regression models by using technologies such as Keras, Neural Network and Random Forrest to help recommend monthly ocean freight rates.
- Developed a website using Django as the Restful API to communicate with the AI model in providing recommendations using the .
- Redesigned existing client's website where entrepreneurs could enroll in various coaching courses. Updated existing courses and alongside created a web application where admin can create new courses for users to complete and get a better understanding of starting and maintaining their business.
- Used Python and a few machine learning libraries (pandas, scikit-learn, etc.) to learn more about conventional ways of educational data mining.
- Utilized Keras to design a 10-layer neural network, with dropout layers and different activation.
- Optimized hyper-parameters for different model architectures to improve the model's performance.
- Mentored new first-year research assistants and helped them get started with machine learning concepts.

Environment: C#, .NET, SQL Server, Python, Django, Machine Learning, PostgreSQL, Heroku, AWS