**Arshia Moslemian**

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Passionate and innovative Engineer eager to contribute to CIBC as an Application Developer Co-Op. With a solid foundation in computer engineering principles and a passion for technology, I am enthusiastic about making a meaningful impact by developing, testing, and delivering innovative banking solutions.

**Related Experience**

**Full-Stack Web Development for J.W. Foods | Feb 2024 – Apr 2024**

* Developed a responsive web application for J.W. Foods, a culinary service company, utilizing HTML, CSS, and JavaScript for the front-end
* Implemented dynamic features and user interactions using jQuery and integrated Bootstrap framework for enhanced styling and layout.
* Employed Python Flask as the middleware to handle server-side logic and routing, facilitating seamless communication between the front end and the back end.
* Utilized AJAX to enable asynchronous data exchange between the client and the server, enhancing user experience and performance.
* Configured backend functionalities using Python and integrated with a SQL-based database for managing user data and order processing.

**Hospital Readmission Prediction Model | Feb 2024 – Apr 2024**

* Developed a prediction model using linear regression and data analytics techniques to forecast hospital readmission rates.
* Utilized Python libraries such as Pandas, Scikit-learn, and Seaborn for data preprocessing, model training, and visualization.
* Designed an interactive front-end interface using HTML, CSS, and Bootstrap to visualize the result and provide user-friendly access to predictive insights.

**Survival Prediction Model Project Work | Jan 2022 – May 2022**

* Developed a survival prediction model by training a neural network constructed in Python 3 utilizing the PyCharm IDE and the TensorFlow library.
* Developed project, achieving 74 percent accuracy by collaborating with team members and mastering Python and fundamentals of web application in 4 months.
* Implemented web application for user interface by loading the model directly into the front end via Streamlit

**Academy for Mathematics and English | Richmond Hill, CA**

**English and Mathematics Tutor | Jan 2019 - Present**

* Assisted 10+ tutors in providing education and training to students in mathematics and language arts
* Developed curriculum and detailed lesson plans for 50+ students to facilitate subject mastery, adjusting for individual weaknesses and strengths.
* Assisted students with building confidence and developing problem-solving skills through various individualized, hands-on learning activities.

**Education**

**Full Stack Developer Certificate,** Toronto Metropolitan University, 2024

**Honors Bachelor of Engineering, Biomedical Engineering**, Toronto Metropolitan University - Faculty of Engineering and Architectural Science, 2024

**Technical Skills**

* Programming Languages: Python, JavaScript, HTML, TypeScript, Cascading Style Sheets (CSS)
* Frameworks: Django, Bootstrap
* Tools: Pycharm PostgreSQL, MongoDB
* Database: SQL
* Version Control: Git

**References Available upon request**