Bob Smith

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Education

University of Toronto, Toronto, ON   **September 2024 - April 2026**
Masters of Applied Science, Electrical Engineering
Toronto Metropolitan University , Toronto , ON   **September 2019 - April 2024**
Bachelor of Engineering , Computer

Skills

Python, C/C++ , Java, Javascript, SQL
OS: Windows, Linux , Mac OS
Framework: Tensorflow, Pandas, React.js, Node.js,Flask, BS4
Tools: Quartus, Multisim, Git/Github, Perforce, Virtuoso Layout Editor
Other Skills: Computer architecture, NoSQL, REST API,
Command Line Terminal

Work Experience

Fronted Developer – Facebook, ON May 2022-June 2023

- Developed and implemented responsive, high-performance user interfaces using React.js, leading to a 30% increase in user engagement for a major social media feature.

- Collaborated with cross-functional teams to integrate RESTful APIs, ensuring seamless data flow and user experience in real-time messaging applications.

- Spearheaded the migration of legacy front-end codebase to modern JavaScript frameworks, improving maintainability and reducing page load times by 25%.

Projects

Bookstore – Java, Object oriented programming, UML diagrams

- Applied software design concepts during the planning phase
- Developed class diagram, use case diagrams , and state diagrams
- Utilized **OOP** to develop low coupling and high cohesion between classes
- Applied concepts of polymorphism to simplify the code and class diagrams

Google Web Scraper – Python, Object oriented programming , Pandas , BS4

- Utilized web scraping to collect customer reviews from Google
- Practiced using web scraping APIs such as **BS4**
- Applied **OOP** concepts such as polymorphism to simplify the code
- Utilized flask to communicate with the backend

- Practiced concepts of **REST API** techniques
- Organized data collected using pandas

Recommender System – Python, Tensorflow, Machine learning, Pandas

- Built a Recommender system that recommends movies
- Practiced **machine learning** techniques to implement a recommendation algorithm
- Utilized **Tensorflow** to implement a multi layer neural network
- Implement a hybrid approach that takes into account content based filtering and collaborative filtering