

Shahzore Khan

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EDUCATION

University of Western Ontario

Sept 2019 - July 2023

Bachelor of Science in Computer Science

Relevant Coursework *Operating System, Data Structures, Analysis of Algorithms, Object-Oriented Programming, Artificial Intelligence, Machine Learning, Compiler Theory, Database Management Systems*

EXPERIENCE

Mobile Web Developer

Sept 2022 - Present

Western AI

- Developed a full-stack mobile app that calculates food quantity by tracking past spending
- Implemented a Machine Learning Model via Data Cleaning and possessing on large grocery food data-sets in **Microsoft SQL Server** and **Python(pandas)**
- implemented a Neural network (CNN) for grocery receipt recognition
- Worked with **React Native** for front-end, **Node.js** for backend

Teaching Assistant

Sept 2021 - Dec 2021

University of Western Ontario

- TA for CS1026-Computer Science Fundamentals I
- Taught basic concepts of python from variables & data structures to recursion and Inheritance
- Conducted bi-weekly labs via zoom where students can ask questions regarding assignments

Sales Associate

June 2019 – Jan 2020

Canada Computers

- Responsible for the merchandising, distribution and selling of computers, software and peripherals
- Recommended appropriate computer configurations depending on customers needs
- Maintained awareness and knowledge of constantly changing software, hardware systems and peripherals

PROJECTS

E-Commerce Shop | *Next.js, Tailwind.css, GraphQL, Unit-Testing*

- Created a functional headless E-commerce website using **React.js** and **Next.js** Framework
- Fetched products from an active Shopify store using the Storefront **GraphQL API**
- Developed an automated test suite using Javascript with **Mocha** and **Chai**

CryptoTracker Semester Project | *Java, Maven, Design Patterns, REST API*

- Worked within a **scrum** team to design and develop a crypto tracker **Java** application
- Published documentation discussing **Design Patterns**, **UML Diagrams** and **Software Architectural Styles**
- Engaged in frequent team meetings to discuss upcoming deliverables and challenges

Titanic Machine Learning Project | *Python, NumPy, Pandas, Scikit-Learn*

- Implemented a machine learning model on passenger data-set with **Python**
- Applied data pre-processing such as data cleaning, feature engineering and scaling, using **SQL Queries** in **Microsoft SQL Server**
- Implemented algorithms such as decision tree classifier and k-NN to obtain a model prediction accuracy of **80%**

3D Obstacle course Game (Ongoing) | *Unity, C#*

- Created a 2D top-down RPG game using **Unity** and **C#**
- Dealt with player and enemy sprite movement, animation and collision handling

TECHNICAL SKILLS

Languages: Java, Python, C#, HTML/CSS, JavaScript, GraphQL, SQL

Frameworks: React.js, Node.js, Next.js, TailWind.css

Developer Tools: Git, VS Code, Jupyter Notebook, PyCharm, Microsoft SQL Server

Extracurricular: London Game Jam (Team Lead), Hack Western 9 Hackathon (Attendee) , Western AI Club (Member)