ANIQA TAHSEEN

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EDUCATION

University of Toronto — Sept. 2021 – Apr. 2025
Bachelor of Applied Science in Computer Engineering, PEY Co-op — *Toronto, ON*
Minors in Engineering Business & Artificial Intelligence Engineering

EXPERIENCE

Business Systems Analyst Intern | Python, SQL — May 2023 – Aug. 2023
TD Bank – Enterprise Protect, Data Management & Governance — *Toronto, ON*
- Developed SQL queries to automate regular metadata documenting procedures
- Developed Python scripts to analyze **3 months** of data and verify if the OKR was met (Pandas/Os Libraries)
- Wrote thorough documentation to explain how to pre-process the data and run the Python script
- Collaborated with stakeholders to identify all project requirements for the development of the SQL and Python scripts and communicated regularly with stakeholders to ensure the development of scripts that met their needs
- Analyzed and documented metadata for **1000+** undocumented data elements using the Data Management Workbook (DMW) format
- Worked in a team that uses the **Agile Scrum** workflow

Business Systems Analyst Intern | HTML, CSS — May 2022 – Aug. 2022
TD Bank – TD Auto Finance Technology Team — *Toronto, ON*
- Developed Confluence site using HTML & CSS that met stakeholders' needs and had UI/UX design that ensured proper functionality + a user-friendly site ultimately improving efficiency when sharing resources with other TD teams
- Collaborated with stakeholders to identify all project requirements for the Confluence site
- Generated Excel reports to report information for **46** applications

Coding Instructor — Jun. 2021 – Oct. 2022
DataWiz Academy of Data Science — *Toronto, ON*
- Developed Python & robotics curricula for the academy
- Taught students computer science fundamentals including CSV files and data manipulation
- Coordinated scheduling of classes with over **10** clients

PROJECTS

Webmaster | University of Toronto Robotics Association | React, Bootstrap, Git — May 2023 – Present
- Manage, design & develop websites for **7** subteams using React, Bootstrap, HTML and CSS
- Leverage Git for version control and collaboration

Team Lead + Software Developer | YOLO Object Segmentation Model | Python, YOLO — May 2023 – Aug. 2023
- Developed deep learning model for object segmentation using Python & YOLOV8 for use in autonomous vehicles
- Pre-processed multiple datasets and fine–tuned hyperparameters to train model with an F1 score of **88%**
- Plotted output using the Python Matplotlib library

Project Manager + Software Developer | ByteMap | C++, Git — Jan. 2023 – Apr. 2023
- Used the OpenStreetMap database and API to develop a navigation application, similar to Google Maps, in C++ for delivery drivers
- Implemented the A* algorithm to find the shortest path between 2 locations with **100%** accuracy based on given test benches
- Implemented appropriate data structures and multi-threading to optimize performance of program
- Developed a greedy algorithm to find an initial path for multiple deliveries and implemented multi-start and simulated-annealing techniques to uncover the optimal path in **less than 50 seconds**
- Followed the Agile methodology to develop the software

TECHNICAL SKILLS

Languages: Python, SQL, C, C++, Java, HTML, CSS, ARM Assembly, Verilog
Frameworks: React, Flask, PyTorch, Pandas/Matplotlib
Technologies: Git, Jira, Confluence, Agile Methodology, Scrum, Microsoft Outlook, Word, PowerPoint, Excel, SharePoint
Certification: Microsoft Azure Fundamentals (Cloud)