Rayaan Syed

| rayaan.syed@mail.utoronto.ca | linkedin.com/in/rayaan-syed | github.com/rayaanxsyed

Technical Skills

Languages: Python, C, SQLite, JavaScript, HTML/CSS, Lua
Frameworks/Libraries: Django, Pandas
Developer Tools: Git, Visual Studio Code, Tableau

Education

University of Toronto Toronto, Ontario
Bachelors of Science in Statistics *Expected Graduation: Apr. 2027*

Experience

Machine Learning Bootcamp Sept. 2024 - Present
Candidate *University of Toronto*

- Acquired hands-on experience with Pandas framework in Python for data preprocessing and data visualization
- Attained greater insight into modeling techniques such as supervised learning, semi-supervised learning, and reinforcement learning

Google Developer Hackathon May 2024
Hacker *University of Waterloo*

- Leveraged Google APIs such as Vertex AI and Gemini to create an advanced AI riddle-solving bot
- Implemented machine learning techniques, including supervised learning and fine-tuning, to train the AI model

Projects

Movie Review Program | *Python* Jan. 2024 – Apr. 2024

- Developed a sophisticated movie recommendation program to emulate industry-leading services, tailoring suggestions to user preferences regarding studios, genres, and score ratings
- Utilized object-oriented programming concepts such as Polymorphism and Inheritance in Python to design a scalable system

Retail Shopping UI Emulator | *C* Jan. 2024 – Apr. 2024

- Developed a shopping system emulator that would act as a get-anything store ranging from Bitcoin, games, and car products in C
- Generated and enhanced complex data of the user using data structures such as linked lists and binary trees to optimize the shopping UI experience
- Finalized a program that was able to handle a large customer base and accommodate all kinds of needs regarding the variety of products for the user

Bridge Inspection and Maintenance Optimization | *Python* Sep. 2023 – Dec. 2023

- Developed a Python program to assess bridge conditions from a government official database containing 2000+ bridges in Ontario
- Identified and flagged more than 200 bridges overdue for major improvements
- Enforced adaptability through fundamental programming skills in Python which can be transferable to various other languages and serve other purposes