Syed Naqvi

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(437) 423-0126

Professional Experience

Volunteer Research Assistant, Affective Data Science Lab
2000 Simcoe St N, Oshawa, ON (May 2024 - Aug 2024)
- Successfully developed an audio augmentation tool to study the effects of noise on human emotional perception using python.
- Independently learned and applied the mathematics of digital signal processing including the FFT, low-pass/high pass filters.
- Conducted thorough data cleaning/preparation and analysis of the RAVDESS speech audio dataset to learn critical parameters and visualize data.

Peer Discussion Leader, STEM for Everyone
399 Chaleur Ave, Oshawa, ON (June 2024)
- Lead group discussions of 30+ students from a special needs high school regarding university preparation and career selection.
- Offered guidance and support while facilitating an equitable and inclusive environment.

Calculus 2 Teaching Assistant, Ontario Tech University
2000 Simcoe St N, Oshawa, ON (Jan 2024 - June 2024)
- Demonstrated leadership, public speaking and superior communication skills while regularly lecturing rooms full of 30+ university maths students.
- Exhibited deep grasp of highly complex, abstract and theoretical concepts while independently formulating/marking weekly lessons and assessments.
- Efficient utilization of Microsoft office including Word, Powerpoint and Excel for clear presentation delivery and effective organization of 100+ students across multiple sections.

Data Entry Clerk, Accident Support Services International Ltd.
650 Rossland Rd E, Whitby, ON (May 2022 - Feb 2023)
- Worked effectively with team to accurately complete 50+ daily collision reports in a fast-paced, high pressure environment.
- Provided efficient explanation and direction while assisting customers through reporting procedures and answering questions.
- Practiced superior attention to detail while ensuring legitimacy of collected documents and entering details into CROMS database.
- Skillfully employed conflict resolution and de-escalation strategies balancing assertive communication with empathetic listening.
- Assisted in training new employees by checking reports, answering questions, explaining company policies and demonstrating reporting processes.

Education

BSc Computer Science with Math Minor
Ontario Tech University
(Sept 2021 - May 2025)
- **Graduated with distinction,** cGPA: 3.55
- **Core Disciplines:** Algorithms and Data Structures, Mathematics, Machine Learning, Data Science, Fullstack Development
- **President's List:** Fall 2022, Winter 2023, Fall 2023, Fall 2024
- **In-Course Scholarship:** 2022-2023 academic year

Certifications

Databases and SQL for Data Science with Python
IBM (Issued 2025)

CompTIA A+
CompTIA (Apr 2022 - Apr 2028)

Technical Skills

- Data Science and Machine Learning
- Software Development
- Research and Reporting
- Public Speaking and Communication
- Education

Tools/Sofware

- **Python:** Pandas, Numpy, Matplotlib, Pytorch, Librosa, OpenCV, YOLO, Pygame, Jupyter Notebooks
- **R:** Tiddyverse, Rstudio, ggplot2, R notebooks

Projects

Washington EV Analysis
- Data Analysis Project using R
- https://syed-a-naqvi.github.io/statistical_analysis_and_visualization_R/

Languages

- English (Fluent)
- Urdu (Fluent)