

# Omrahn Faqiri

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## EDUCATION

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### Sheridan College

January 2024 – April 2027 (Expected)

*Honours BSc in Computer Science (Data Analytics) | Oakville, ON*

- Relevant Courses: Data Structures & Algorithms, Database Modeling, Web Application Design & Implementation, Data Analysis & Visualization, Big Data Management & Processing, Statistics for Data Science, Linear Algebra, Calculus I

## PROJECTS

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### SafeCord — Python, FastAPI, NLP, SQLite

- Developed an AI-powered moderation bot to detect and flag potential grooming or unsafe user behavior using zero-shot classification models, enabling proactive safety insights across Discord servers.
- Designed and implemented manual flagging, watchlist, and log management commands, allowing moderators to track user risk patterns beyond offensive keyword triggers.
- Built a FastAPI backend with SQLite database for secure storage of moderation logs and NLP confidence scores, supporting traceability and cross-session risk analysis.
- Developed Jupyter Notebook to visualize behavior patterns via boxplots, heatmaps, and score distributions, showcasing potential for data-driven safety dashboards.

### Breast Cancer Detection Model Comparison — Python, Weka, Excel

- Conducted comparative analysis of Decision Tree (J48) and Neural Network (MLP) models on the Weka Breast Cancer dataset, running 30 randomized trials to ensure statistically reliable results.
- Built custom t-distribution visualization in Python (NumPy, SciPy, Matplotlib) to interpret rejection regions, improving clarity of model evaluation for academic reporting.
- Delivered a comprehensive research report with reproducible code and visualizations, demonstrating Decision Tree accuracy of 70.1% vs. Neural Network at 65.4%, supporting model reliability in early cancer detection.

### Personal Website — Astro

- Developed and deployed personal portfolio with an automated CI/CD pipeline on Netlify to showcase projects and skills.

## LEADERSHIP EXPERIENCE

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### Sheridan Comp Sci. in Business Society Club

September 2025 – Present

*Executive Member | Oakville, ON*

- Collaborated with executive team to plan networking events, connecting CS students with business mentors and boosting attendance by 25% from last year.
- Supported workshops on career development, encouraging technical skill growth and peer collaboration.
- Supported initiatives that integrate technical and entrepreneurial skills for students in the Computer Science program.
- Networked and brought in alumni from industry as guest speakers, connecting current students with professionals.

## ACTIVITIES

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Google Developer Group — Member

Sheridan Computer Science Club — Member

## CERTIFICATIONS

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Google Data Analytics Professional Certificate (In Progress)

## TECHNICAL SKILLS

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**Languages:** Python (Pandas, NumPy, Matplotlib), C#, C++, Java, HTML, CSS

**Data & Analytics:** Data Analysis, Data Visualization

**Backend & Frameworks:** FastAPI, Spring Boot, ASP.NET, .NET Core, .NET MAUI, REST APIs

**Databases:** SQL, SQLite, MongoDB

**Tools & DevOps:** Git, GitHub, Docker