

# MUSAIB NAGANI

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## SUMMARY

- **2+ years of experience** in AI, data analytics, and machine learning projects with academic and professional impact.
- Proficient in **Python, SQL, PyTorch, Scikit-learn, Power BI**, and ETL pipelines; strong foundation in data-driven decision making.
- **Board Member (UWSA)** representing 2,000+ students, known for leadership, collaboration, and student advocacy.
- Demonstrated success in developing **ML models, dashboards**, and data solutions to improve performance and clarity.

## EXPERIENCE

<b>AI/ML Researcher</b> <i>University of Windsor</i> <ul style="list-style-type: none"><li>Engineered a geometric algorithm to defend against <b>k-NN poisoning attacks</b>, improving model robustness by <b>18%</b>.</li><li>Built ML models using <b>Python, PyTorch, Scikit-learn</b>, achieving <b>86% accuracy</b> on classification tasks.</li><li>Automated preprocessing workflows using Linux scripting, reducing model training time by <b>30%</b>.</li></ul>	Jan 2024 – Dec 2024 <i>Windsor, ON</i>
<b>Teaching Assistant</b> <i>University of Windsor</i> <ul style="list-style-type: none"><li>Led tutorial sessions for 100+ students in <b>AI, Python, and Web Development</b>.</li><li>Evaluated over 500 assignments and exams with 98% review accuracy.</li><li>Conducted weekly office hours, solving student queries and debugging code.</li></ul>	Jan 2022 – Dec 2024 <i>Windsor, ON</i>
<b>Data Analyst</b> <i>Wedding Co</i> <ul style="list-style-type: none"><li>Reduced inventory overstock by <b>20%</b> and improved turnover by <b>15%</b> through data analysis.</li><li>Built SQL dashboards and automated reports to support merchandising decisions.</li><li>Maintained AWS-based <b>ETL pipelines</b>, improving monthly report generation speed by <b>40%</b>.</li></ul>	Jan 2021 – Feb 2022 <i>Remote</i>

## EDUCATION

<b>Bachelor of Computer Science Honours</b> <i>University of Windsor</i> <ul style="list-style-type: none"><li>Specialization in <b>Artificial Intelligence</b>, Minor in Mathematics, CGPA: <b>3.7/4.0</b></li><li><b>Dean's Honour Roll</b> and <b>LEAD Gold Medallion</b> recipient.</li></ul>	Jan 2021 – Dec 2024 <i>Windsor, ON</i>
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## PROJECTS

<b>Cloud Sales Analytics Pipeline</b> ( <a href="#">GitHub</a> )   <i>Python, GCP, BigQuery, Looker Studio</i> <ul style="list-style-type: none"><li>Designed a scalable ETL pipeline to analyze sales data using <b>GCP Cloud Storage, Dataflow, and BigQuery</b>.</li><li>Performed data cleaning and transformation in Python and orchestrated jobs with <b>Cloud Composer (Airflow)</b>.</li><li>Created interactive dashboards in <b>Looker Studio</b> to provide business insights across regions and products.</li></ul>	May 2024 – Aug 2024
<b>Single Cell RNA Sequencing</b> ( <a href="#">GitHub</a> )   <i>GNN, PyTorch</i> <ul style="list-style-type: none"><li>Built <b>Graph Neural Networks (GCN/GAT)</b> to classify cell types using scRNA-seq.</li><li>Improved clustering accuracy by <b>22%</b> through dimensionality reduction (UMAP/t-SNE).</li><li>Collaborated with researchers to validate results on real gene expression data.</li></ul>	Jan 2024 – Apr 2024
<b>Fraud Detection Simulation Platform</b> ( <a href="#">GitHub</a> )   <i>Python, SQL Server, Power BI</i> <ul style="list-style-type: none"><li>Developed an end-to-end fraud detection system simulating real-world banking data using <b>Python, Faker, and MSSQL</b>.</li><li>Engineered <b>velocity and behavioral fraud features</b> including transaction bursts, IP/device shifts, and dormancy periods.</li><li>Built a Power BI dashboard visualizing fraud KPIs, risk scores, and suspicious patterns with slicers and DAX-based flags.</li></ul>	Jan 2025 – May 2025

## TECHNICAL SKILLS

**Languages:** Python, SQL, R, Java, JavaScript, HTML, CSS, C, Prolog

**Frameworks & Tools:** Git, Linux, ReactJS, PyTorch, Keras, Scikit-learn

**Data & Cloud:** Power BI, Tableau, Data Bricks, DAX, Pandas, NumPy, ETL Pipelines, Data Visualization, GCP, AWS, Azure

**Soft Skills:** Communication, Problem-Solving, Leadership, Time Management

## EXTRACURRICULAR ACTIVITIES

<b>Board of Director, UWSA</b> <i>University of Windsor</i> <ul style="list-style-type: none"><li>Represented over <b>2,000 Computer Science</b> students, advocating for academic and financial interests.</li><li>Participated in the <b>Finance Committee</b>, influencing budgetary decisions.</li></ul>	May 2023 – Apr 2024 <i>Windsor, ON</i>
<b>Head of Events</b> <i>Computer Science Society</i> <ul style="list-style-type: none"><li>Planned and executed <b>Hackathons, Workshops, Gala Nights</b>, reaching 1,000+ attendees.</li></ul>	May 2023 – Apr 2024 <i>Windsor, ON</i>