

JUNIOR AI, ML & DATA SCIENCE ENGINEER

Supervised & Unsupervised Learning | Neural networks | Collaborative Problem-Solving

- Analytical and detail-oriented Data Science professional with hands-on experience in programming, data analysis, machine learning, and artificial intelligence (AI) projects, which includes microservice-based deployments and real-time applications.
- Passionate about applying ML to solve real-world problems, by expertise in leveraging TensorFlow, Scikit-learn and Python libraries, including NumPy, Pandas, Matplotlib, and Seaborn, to extract actionable insights and build data-driven solutions that drive business growth.
- Strong foundation in statistics, probability, and deductive reasoning, applied to real-world scenarios to enhance predictive modelling and decision-making accuracy across Supervised Learning, Unsupervised Learning, and Deep Learning techniques.
- Experienced in database management with MySQL, Oracle, and full-stack development fundamentals, including HTML, CSS, and JavaScript.
- Skilled at transforming complex datasets into compelling visualizations and solving business problems through innovative code-based solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C#, Java, SQL
- **Data Science & Machine Learning:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow
- **Statistics & Probability:** Hypothesis Testing, Regression Analysis, Data Mining, Bayesian Inference
- **Machine Learning & Deep Learning:** Supervised Learning, Unsupervised Learning, Neural Networks, CNN, Feature Engineering, Model Optimization
- **AI & Chatbot Development**
- **Tools & Platforms:** Google Colab, Jupyter Notebook, Flask, Git, GitHub
- **Database Management:** MySQL, Database Design, Query Optimization
- **Web Development:** HTML, CSS, JavaScript (Basic), Flask Framework
- **Operating Systems:** Linux, Windows
- **Data Visualization:** Matplotlib, Seaborn,
- **Computer Science Concepts:** Algorithms, Data Structures, Computational Thinking

EDUCATION

Software Engineering Technology - Artificial Intelligence,
Centennial College of Applied Arts and Technology, Scarborough,
Courses:

Jan 2025- Apr 2027

C# Programming	Web Development	Linux/Unix	Introduction to Artificial Intelligence
Java Programming	Web Interface Design	Software System Designs	Artificial Intelligence System Designs
Python Programming	Oracle Database (SQL)	Testing & Quality Assurance	Calculus\Linear Algebra\Statistics

PROFESSIONAL DEVELOPMENT

- **Python- Data Science, AI & ML** [Certificate](#)
- **SQL Database Management** [Certificate](#)
- **C Programming Fundamentals**

PROJECTS

June 2024 - Present

- **E-commerce Product Analysis**
Analysed user behaviour and sales trends using Pandas and Matplotlib, identified top products, customer retention patterns, and seasonal demand.
- **Customer Churn Prediction**
Built ML models using Scikit-learn (Logistic Regression, Decision Tree) to predict churn with 5% accuracy. Applied feature engineering and data visualization.

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- **Handwritten Digit Recognition (MNIST)**
Trained a CNN using TensorFlow on Google Colab, achieving 98% accuracy. Deployed in a Flask web app for real-time digit classification.
- **Sales Dashboard with MySQL & Python**
Extracted and visualized sales data using MySQL, Pandas, and Seaborn. Created dashboards to track performance and identify growth opportunities.
- **Allergy Safety Web App (Flask)**
Developed a web app to detect allergens from food input. Used Flask, HTML/CSS, and basic database integration.

WORK EXPERIENCE

Mario Pizza Kitchen, Scarborough, ON,
Kitchen Staff & Cashier

January 2024- Present

- Responsible for preparing food, handling transactions, assisting customers, and maintaining cleanliness and efficiency across kitchen and front-of-house operations
- Thrive in a **fast-paced, customer-facing environment**, demonstrating strong **time management, team collaboration**, and the ability to stay organized under pressure—skills that align with agile project execution in tech roles.

COMMUNITY AND OTHER ENGAGEMENTS

Hackathons

2025 Toronto Local Event, (Ongoing)

September 2025- Present

- Currently participating in a NASA Space Challenge to push beyond my comfort zone and develop an interactive application that integrates both frontend and backend technologies.
- Formed a multidisciplinary team by collaborating with an aviation student from Downsview Campus, alongside a creator, designer, and programmer, to bring diverse perspectives and skills to the project.

Member / Volunteer

June 2025 - Present

Centennial College- Orientation, Open House, and Afro-Caribbean Fest

- Active member of a volunteer-led group that promotes diversity and inclusion within the Black Community.
- Attend monthly events intended to support networking, community building, and idea sharing
- Volunteer for events, including assisting with registration, signing in guests, helping newcomers navigate, and helping them get their schedule and my card registered.

State-Level athlete- Volleyball

April 2018 - April 2024

DAV Public School, Ludhiana, Punjab, India

- Represented the school in multiple state-level volleyball tournaments, consistently delivering top performances.
- Served as team captain, leading the squad to numerous victories and fostering team spirit and discipline.
- Earned multiple medals and trophies, contributing to the school's athletic reputation and success