

Shourav Rakshit Ivan

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Education

University of Calgary

Canada, Calgary

Computer Science

Expected Dec 2025

- GPA: 3.6 / 4.0
- Relevant Courses: DBMS, Web-Based Systems, Software Project Management, LLM, Natural Language Processing

Technical Skills

Languages: Python, Java, C++, C, HTML, CSS, Javascript, MySQL, PostgreSQL, VBA, Microsoft SQL Server

Frameworks: React, Bootstrap5, Django, Flask, Express.js, Node.js, Material-UI, LangChain, Scikit-learn, Selenium

Developer Tools: VS Code, PyCharm, Docker, Power BI, Tableau, Heroku, Microsoft Azure, JIRA, Figma, SharePoint

Others: Linux, Computer Hardware, Microsoft Office, Microsoft Excel, Microsoft PowerPoint

Experience

Neuraura

July 2024 – Present

Data Analyst

Canada, Calgary

- Developed interactive Power BI dashboards to visualize healthcare claims, patient outcomes, and benefit program trends, streamlining health analytics reporting.
- Optimized MySQL database queries by implementing indexing strategies, improving query performance by 30%.
- Used JIRA for task tracking and sprint planning.

Projects

JobHunter: (Automated Job Scraper)

Jan 2025 – Present

Data Scientist / Data Analyst

Canada, Calgary

- Developed a full-stack application using Django REST Framework and React, automating data collection from 50+ Workday-powered portals, reducing manual job search time by 70%, and storing over 10,000 job records in MongoDB.
- Applied NLP techniques (NER, keyword extraction, topic modeling) to clean and categorize 100% of job postings, improving search relevance by 40%, and implemented LLM-powered features such as semantic search and job description summarization using models like LLaMA and DeepSeek.

Tools/Technologies: Python, Django REST Framework, React, MongoDB, Power BI, Docker, Selenium, BeautifulSoup, NLTK, LLaMA, DeepSeek, Azure Databricks, PythonAnywhere, SQL, Tailwind CSS

Telecom Customer Churn Prediction

Nov 2024 – 2024 Dec

Data Scientist

Canada, Calgary

- Designed a Flask-based app for predicting trends (94% accuracy) with techniques like SMOTEENN to enhance data quality and address imbalances skills.
- Developed and tuned machine learning models using scikit-learn, visualizing churn drivers in Power BI dashboards.

Tools/Technologies: Python, Pandas, NumPy, scikit-learn, Flask, SMOTE, HTML, CSS, Power BI, Selenium

Real Estate Price Prediction Website

Oct 2024 – 2024 Dec

Data Scientist

Canada, Calgary

- Developed machine learning models (Linear Regression, Random Forest, XGBoost) to predict Canadian real estate prices (80% accuracy), using feature selection, correlation analysis, and variance inflation factors (VIF) to refine predictions.
- Conducted extensive feature engineering to ensure datasets adhered to project standards and compliance requirements.

Tools/Technologies: Python, Pandas, Numpy, Scikit-learn, Flask, AWS EC2, HTML, CSS, JavaScript.

Tokyo 2021 Olympics Data Analytics Project

July 2023 – Nov 2023

Data Analyst

Canada, Calgary

- Analyzed large-scale athlete performance datasets using Microsoft Azure Synapse Analytics and streamlined reporting workflows with Apache Spark, improving data accessibility by 25%.
- Developed dynamic Power BI dashboards to present key metrics, fostering collaboration with diverse project teams to achieve alignment on deliverables.

Tools/Technologies: Synapse Analytics, Azure Databricks, SQL, Apache Spark, Power BI, Power Automate, VBA.