

Shourav Rakshit Ivan

8253652839 | [Portfolio](#) | [Linkedin](#) | [Email](#)

AI Software Developer | Software Engineer | Computer Science Graduate

Education

University of Calgary

Canada, Calgary

Bachelor of Science (BSc) in Computer Science

Sep 2020 – 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, HTML, CSS, JavaScript, MySQL, PostgreSQL, VBA, Microsoft SQL Server

Frameworks: React, Next.js, Django, Flask, Express.js, LangChain, TensorFlow, PyTorch, OpenCV

Developer Tools: Docker, Power BI, Tableau, Databricks, Microsoft Azure, JIRA, Figma, Confluence, HuggingFace

Others: Linux, D2L, Office, Excel, PowerPoint, SharePoint, Teams, Access, OneDrive

Experience

[SynergyLoft](#)

June 2025 – Present

AP Services: AI Software Engineer

Canada, Calgary

- Designed and developed an **Accounts Payable financial data** automation system, processing **10,000+** invoices, timesheets, and approval records to support accurate financial analysis, reporting, and operational decision-making, using HuggingFace **LayoutLMv3** and **Longformer** models with confidence-based thresholds (**95%** automated, **70%** manual review).
- **Implemented multi-stage document classification** using **LayoutLMv3** and **Longformer** models achieving **97%** and **98%** accuracy, enabling page-level separation of mixed documents prior to metadata extraction.
- **Developed document ingestion pipelines** using **PyMuPDF**, **pdfplumber**, **openpyxl**, and **Tesseract OCR**, with magic byte file detection and automated deduplication to normalize PDFs, spreadsheets, Word files, and scanned documents.

DPS Logistics: Full Stack Developer

- Built a multi-role logistics platform using **React**, **TypeScript**, **Express**, and **PostgreSQL**, featuring real-time delivery tracking, PDF/CSV invoice generation, delivery performance and revenue reporting, and Google Places autocomplete across 3 user roles.
- **Collaborated in an Agile team** with a business analyst, senior developer, and project manager through daily standups and client demos every 3 weeks.
- Dockerized the full-stack application with multi-stage builds and **Docker Compose**, reducing new developer setup from hours to a **single command**.

Projects

[JobHunter: \(Automated Job Scraper\)](#)

Jan 2025 – Present

Data Scientist / Full Stack Developer

Canada, Calgary

- Developed a full-stack job application using **Django REST Framework**, **React**, and web scraping (**Selenium**, **BeautifulSoup**) to extract data from 50+ job portals, reducing search time by 70% and storing 10,000+ records in **MongoDB**.
- Applied NLP techniques to clean and categorize 100% of jobs, 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.
- 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.