

ASIM SARU

Butwal, Nepal — +977 9843208385 — saruasim58@gmail.com
linkedin.com/in/asim-saru-43aa731b — github.com/Student-Asim

SUMMARY

Machine Learning Engineer skilled in predictive modeling, data analytics, and AI-driven automation. Proven ability to build production-ready ML systems and integrate RAG pipelines for intelligent applications. Strong command of Python, Scikit-learn, GeoPandas, and Flask/FastAPI-based deployments.

EXPERIENCE

Machine Learning Engineer, PropGrowthX

Aug 2025 – Nov 2025

- Developed 3 ML models (price, ROI, infrastructure stress) using spatial and demographic data, improving decision efficiency by **40%**.
- Delivered Smart Growth Maps, boosting property valuation accuracy by **35%** and optimizing urban planning by **30%**.
- Automated retraining scripts and visual dashboards for data-driven infrastructure analytics.

Tech: Python, Scikit-learn, Pandas, GeoPandas, Flask, Data Visualization

PROJECTS

AI E-commerce Sales Automation — Built RAG-powered AI chat sales system using LangChain, Pinecone, and FastAPI to automate responses and improve conversion workflows.

RAG PDF Extractor — Created semantic resume retrieval system with chunking, embeddings, and LLM query handling.

MiddleMan (Himal AI Hackathon) — AI sales agent prototype automating business conversations; achieved **3rd place** among 30+ teams.

ACHIEVEMENTS

- **AI Track Winner**, Sui Hacker House Kathmandu (Apr 2025) — Project: *BuyBotAI*.
- **3rd Place**, Himal AI Hackathon (Apr 2025) — Project: *MiddleMan*.
- Consistent academic distinction and top performer in ML and campus projects.

EDUCATION

Bachelor of Computer Applications (BCA), Tribhuvan University

2022 – Present

Butwal Kalika Campus, Butwal, Nepal

GPA: 3.51, 3.68, 3.60, 3.52

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals (AI-900), June 2025
- Machine Learning Specialization (Andrew Ng, Coursera), July 2024

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, SQL, HTML, CSS
- **ML/AI:** Scikit-learn, TensorFlow, pandas, Feature Engineering
- **LLM Tools:** LangChain, OpenAI API, RAG Pipelines
- **DevOps:** Docker, Git, API Integration, Deployment

