# SHREYAM REGMI

AI Engineer | Full Stack Developer
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GitHub | LinkedIn

## SUMMARY

Computer Engineering undergraduate at Pulchowk Campus with a 3.9+/4.0 academic record and hands-on experience developing full-stack applications and AI-powered systems. Experienced in building backend services and stateful AI workflows using Python, FastAPI, PostgreSQL, React, and LangGraph, including external API integration, database operations, and LLM-powered tools.

## EDUCATION

**Pulchowk Campus, Tribhuvan University** 2024 – Present
*Bachelor's in Computer Engineering*

**GPA:** 3.96/4.00 (First Semester), 3.94/4.00 (Second Semester), 3.93/4.00 (Third Semester)

**Hetauda School of Management and Social Sciences** 2022 – 2024
*Higher Secondary Education (+2), Science*

**GPA:** 3.86/4.00

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL
**Frontend:** React.js, Next.js
**Backend:** FastAPI, Django, Node.js, Express.js, REST APIs
**AI & ML:** LangGraph, LLM Integration, scikit-learn, LightGBM, PyTorch
**Databases:** PostgreSQL, Supabase, MongoDB

## PROJECTS

**Finance AI – AI-Powered Personal Finance Assistant** GitHub

- Developed a full-stack finance application using React, FastAPI, and Supabase to manage income and expense transactions.
- Integrated LangGraph tool-calling workflows with database operations for retrieving, adding, and managing financial transactions.
- Implemented persistent multi-session AI conversations using Supabase-backed message storage and conversation history retrieval.

*Technologies: React, Python, FastAPI, LangGraph, Supabase, PostgreSQL*

**AI Travel Planner – Multi-Agent Travel Application** GitHub

- Designed an AI-powered travel planning backend using FastAPI and LangGraph to coordinate planning workflows.
- Integrated external flight-search tools and LLM APIs to retrieve flight information and generate itineraries.
- Implemented parallel workflow execution and PostgreSQL-based checkpointing to persist agent state across interactions.

*Technologies: Python, FastAPI, LangGraph, PostgreSQL, React, LLM APIs*

**GeoSense AI – Geotechnical Analysis Platform** GitHub

- Developed a geotechnical analysis platform integrating LightGBM-based machine learning, soil classification, and NLP-based field-note processing.
- Built an end-to-end workflow to process geotechnical information and estimate soil bearing capacity.
- Won the CESS Hackathon for delivering an operational solution combining machine learning, NLP, and soil classification.

*Technologies: Python, LightGBM, Machine Learning, NLP*

## ACHIEVEMENTS

**CESS Hackathon – Winner**
Recognized for developing GeoSense AI, a geotechnical analysis platform integrating machine learning, NLP, and soil classification.

**ANAIS 2025 – 100% Scholarship Recipient**
Selected as the only second-year student for the Sixth Annual Nepal AI School. Explored Graph Neural Networks, Transformers, LLMs, and Reinforcement Learning through practical labs and projects.