

ADITYA MALLA THAKURI

Computer Engineering Student | Python Developer | GTME | Data Science | Machine Learning

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PROFILE SUMMARY:

Computer Engineering student with strong analytical and problem-solving skills. Experienced in Python, SQL, and data visualization with projects spanning retail analytics, forecasting, and recommendation systems. Skilled at building dashboards, extracting insights, and supporting data-driven decision making. Proven leadership as AWS Cloud Club Captain and consistent top performer in hackathons.

Technical Skills:

- **Data Analytics & Visualization:** Excel, PowerPoint, Pandas, NumPy, Matplotlib, Seaborn, Streamlit, Tableau (basic)
- **Programming & Databases:** Python, SQL (MySQL, PostgreSQL, SQLite), JavaScript
- **Machine Learning & AI:** Scikit-learn, TensorFlow, PyTorch, NLP, Computer Vision
- **Web & Backend:** Django, Flask, Django REST Framework, React (basic)
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Git, GitHub
- **Other:** Reporting, Business Intelligence, API Development, Project Management

Education:

- **Nepal Engineering College** Bachelor in Computer Engineering - [2022-Present]

EXPERINECE:

1. Django Developer Intern [Sipalaya Info Tech] - [NOV 2024 – FEB 2025]

- Developed and maintained scalable web applications using Django and Flask
- Designed secure user authentication systems
- Utilized MySQL for efficient backend data management
- Debugged and optimized server-side logic for performance

2. AWS CLOUD CLUB CAPTAIN - [April 2025 - Present]

- Led cloud learning initiatives for 100+ students
- Organized workshops on AWS fundamentals and hands-on labs
- Mentored peers to achieve AWS certifications and community badges

3. Go-To-Market Engineer [GTM NEPAL] - [JAN 2025-April 2025]

- Involved in Lead generation campaign of various organization
- Involved in cold emailing and successfully running a marketing campaign

4. Esewa Career Growth – [Sept 2025 – NOV 2025]

- Involved in SDLC workshops and AI in software development.
- Built an AI powered JOB APPLICATION PLATFORM with resume screening and job recommendation.

PROJECT:

1. PASALE – Retail Analytics Platform

Python / Streamlit / Firebase / ML / NLP

- Built real-time analytics dashboards (Streamlit) for sales performance, forecasting monthly revenue using RandomForestRegressor.
- Developed sales trend visualizations and product-level insights to support small retailers' decision-making.
- Integrated speech-to-text input and Nepali localization to improve adoption.

2. Advanced Movie Recommendation System

Python / SQL / NLP / Django

- Designed hybrid recommendation system with SQL-backed database of 10,000+ movies.
- Performed sentiment analysis on reviews to extract audience preferences and trends.
- Built scalable API for personalized insights and content recommendations.

3. AI and Machine Learning in Smart Cities (Research)

- Conducted statistical analysis on traffic, waste management, and crime data.
- Applied Decision Trees and Neural Networks to optimize city resource allocation.
- Identified potential for 25% efficiency gains and presented findings through reports and visualizations.

Achievements:

1. Winner – CodeSprint Hackathon, NEC Ingenium 2025, ACIT HAKAKTHON 2025, ASIAN HACKFEST 2025
2. 2nd Runner-Up – Hack for Business, Kathmandu University
3. Best Delegate – KA MUN | Honorable Mention – Pulchowk MUN | Best Paper – Golden Gate MUN
4. Recognized for Leadership in AWS Cloud Club, 2025
5. Runner-Up in Karmalaya – X (Project exhibition)