



# Anuj Poudel

Software Engineer

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## Summary

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Final-year **BSc CSIT student** and **software engineer** with **2+ years of experience** in full-stack development. Co-founder at TechSahayatri, specializing in **backend development (Node.js, Django)** and system optimization. Passionate about **AI/ML** with hands-on experience in **deep learning projects**.

## Experiences

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### Backend developer

@Spices Research & Consulting PVT LTD

2025 - Present

- **Developed and maintained backend services** for Providhy, a **SaaS-based ERP product built using a** microservices architecture.
- **Designed and implemented RESTful APIs using Django and Django REST Framework (DRF) to support modular ERP functionalities.**
- Followed best practices for API versioning, documentation, and security measures like **OWASP** rule.

### Full-stack developer / Co-founder

@TechSahayatri IT Company

2023 - 2025

- Worked specially on backend using **Django** and **Nodejs (ExpressJS)** for developing **RESTful APIs**.
- Integrated **pre-trained AI models** using **LangChain** for **auto reply** for message auto reply.
- Developed **real-time system** using **WebSocket** for both backend and frontend for live notifications.
- **Optimized** business logic in Django & Node.js, **reducing website load time by 10%.**
- **Developed** an internal task management tool (Django + React), **boosting developer productivity by 20%.**
- Implemented **Nginx** for load balancing & authentication, **improving scalability.**
- Deployed applications using **CI/CD** pipeline using **Github Actions.**
- **Featured project:** [toolmetics.com](https://toolmetics.com)

### Full stack developer

@ Freelancer

2022 – 2023

- **Built & deployed** full-stack applications for **5+ clients**, specializing in Laravel, ExpressJS & Django
- **Integrated payment gateways & APIs, improving business automation.**

## Skills

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Languages: **Python, JS**

AI & ML: **PyTorch, Langchain, Sklearn**

Backend Development: **Django, ExpressJS**

Databases: **MySQL, MongoDB, Redis**

DevOps & Tools: **Docker, Git/GitHub, Postman, GitHub Actions**

## Educations

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BSc CSIT

07/2020 - present

Mechi Multiple Campus

Bhadrapur, Jhapa, Nepal

## Personal Projects

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### Automatic License Plate detection (ALPR) system

<https://github.com/prajwal-code22/ALPR>

- Self-trained Convolutional Neural Network (CNN) model that can detect license plate and performs OCR on images or live videos.
- Developed interactive User interface with real results using Socket and REST API.

### Detecting Cybersecurity Threats using Deep Learning

<https://www.datacamp.com/datalab/w/8a7391f2-7cd3-40bb-adea-a009db1a74b1/edit>

- Designed and implemented a deep learning (LSTM) model using PyTorch to detect cyber threats using the BETH dataset which simulates real-world logs, providing a rich source of information for training and testing model. That is used in this project.

Fake News Detection NLP project (<https://github.com/Anuj-poudel54/fake-news-detection>)

- Machine Learning (ML) project for detecting fake news on the basis of attributes title, author and text content. Used Logistic Regression for training testing the model.

## Hackathons and competitions

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Janakpur Hackathon ([Certificate](#)): **2nd Runner-up**, developed **Maithili Keyboard (OCR-based AI translator)**

MBM Ideax Hackathon ([Certificate](#)): Secured **4th place** in **Nepal's first Indigenous Language Hackathon**.