

# KUBER PATHAK

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🌐 Kuber Pathak

🐙 Kuber-Pathak

## PROFILE

I'm Kuber Pathak, an final semester engineering student with hands-on experience in Machine Learning, Generative AI, and Web Development. I specialize in building Python-based systems, full-stack applications, and AI-powered, database-driven platforms that solve real-world problems. I'm deeply interested in turning complex ideas into scalable, practical solutions.

## EDUCATION

**Bachelor of Engineering in Information Technology**  
*Nepal College of Information Technology, Pokhara University*  
May 2021 - Mar 2026

SEE- 3.7GPA

6-27-2019

+2- 3.29GPA

12-28-2021

## PROJECTS

### Bato.ai (Gen AI) [🔗](#)

- Built Bato.ai, a RAG-based AI learning platform that leverages official technical documentation to generate structured learning roadmaps, detailed topic explanations.
- Implemented learning tracking and assessment features, including topic-wise quizzes and progress monitoring, using LLM APIs and scalable backend architecture .

### Pandit Reservation System(Full stack/AI) [🔗](#) [🔗](#)

- Developed a full-stack web platform using Python, Node.js, and React to connect users with qualified service providers.
- Implemented an AI-based recommendation system and integrated user reviews, ratings, and booking workflows.

### Smart Bin(AI/IOT) [🔗](#)

- Implemented an AI-powered computer vision system to classify biodegradable and non-biodegradable waste.
- Integrated IoT automation and a web dashboard for monitoring and controlling waste segregation operations.

## CERTIFICATION AND EVENTS

### Supervised Machine Learning

*Organized By:Coursera and Stanford University*

### MERN Stack Development

*Organized By:BROADWAY and NCIT*

### NOSKATHON LITE

*Organized By:NOSK and NCIT*

### NEPAL TECHNO FEST 2025

*Presented By:NEPAL TECHNO FEST*

### Advanced Learning Algorithhm

*Organized By:Coursera and Stanford University*

## SKILLS

Languages: Python ,JavaScript/TypeScript

AI: Machine Learning,Deep Learning, Pandas, NumPy, scikit-learn ,Flask,Fast-API

Gen AI: Prompt Engineering,LangChain,Retrieval-Augmented Generation (RAG)

Database: PostgreSQL, SQL, MongoDB, VectorDB

Backend & Web Development: Node, Express, React, Next

DevOps & Tools: Docket, Git, GitHub, Trello