

# BIKAL POKHAREL

## DEVELOPER

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 [GitHub](#)

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## PROFILE

### AI RESEARCHER

Passionate AI engineer with hands-on experience in computer vision, ML, Python, and FastAPI. Experienced in deploying models, leading projects, and leveraging digital marketing and management skills to deliver impactful, scalable solutions.

## SKILLS

- Web Design
- Main language :Python
- Back-end: php, dsa , django
- FastAPI
- AI / Machine Learning
- Pandas, NumPy, Matplotlib
- git, github, hosting, deploying
- Docker,Airflow,MLflow,Virtual Environment,OpenCV
- JavaScript(beginner)
- Natural language processing (NLP), Computer vision, IOT
- Digital markiting
- Management

## EDUCATION

### MIDDLE POINT SCHOOL

3.6 in grade 10

### PRASADI ACADEMY

3.56 in +2

### SUNWAY COLLEGE

Bachelor of computer science in artificial intelligence

## PROJECT EXPERIENCE

### TRAVEL ASSISTANT PRO — V1

- Built an AI-powered travel NLP assistant that helps users plan, book, and discover itineraries, find hotel and transport options, and explore curated local gems and food.
- Designed for diverse users including solo travelers, families, digital nomads, businesses, and white-label travel agencies.
- Implemented multilingual support with lightweight i18n, built APIs using FastAPI, and documented with OpenAPI.

### SCHOOL WEBSITE

- Developed a complete school management platform covering student records, class scheduling, attendance tracking, and online classroom management.
- Managed database design and administration to ensure secure, scalable, and reliable data handling for educational institutions.

### ML PIPELINE

- Designed and implemented an end-to-end machine learning workflow for data preprocessing, model training, evaluation, and deployment.
- Automated retraining and monitoring strategies to maintain model accuracy and performance in production environments.

PLEASE EXPLORE MY PORTFOLIO FOR MORE INFORMATION  
<https://bikal.pythonanywhere.com/>