

Bikee Prajapati

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Education

Shanker Dev Campus, Tribhuvan University

Kathmandu, Nepal

- *Bachelor of Information Management (BIM)* 2021 – 2026 (Expected)
- Relevant Coursework: Artificial Intelligence, Machine Learning, Data Management, Business Analytics, Statistics

Professional Experience

Dev Weekends

Jun 2026 – Present

Fellow, Lahore, Pakistan (Remote)

- Selected into an elite technical fellowship focused on full-stack AI engineering, building scalable architectures, and deploying end-to-end intelligent systems
- Collaborating with cross-functional developers to design robust backend services, optimize database interactions, and integrate complex LLM orchestrations
- Participating in peer-led code reviews and architectural teardowns to ensure production-grade code quality and modular application design

Brinicle AI

Jul 2026 – Aug 2026

Artificial Intelligence Intern, Lebanon (Remote)

- Built a foundational understanding of AI, Machine Learning, and Deep Learning, including how neural networks learn patterns from data
- Explored Generative AI and Natural Language Processing, studying how models generate text, images, audio, and code, and how NLP powers applications such as chatbots and translation
- Studied the programming, mathematics, and hands-on skills required to progress toward an AI Engineer role

Projects

DocMind – PDF ChatBot using RAG

2025

Python, FastAPI, FAISS, Hugging Face, Mistral LLM, Docker | live demo

- Built a RAG chatbot completely from scratch without using LangChain, so every component of the retrieval pipeline is written and understood personally
- Parses any uploaded PDF with PyMuPDF, converts chunks to 384-dimensional vectors using MiniLM, stores them in a FAISS index, and feeds relevant chunks to Mistral LLM to answer questions accurately
- Published the Docker image to Docker Hub and deployed live on Hugging Face Spaces so anyone can run or try the full application with no local setup

AI-Powered README Generator

2025

Python, LangChain, FastAPI, Hugging Face, Docker

- Built a tool that reads any public GitHub repository's structure and writes a professional README automatically using Flan-T5 and Mistral through a LangChain pipeline
- Designed the backend as a fully async FastAPI service with fallback logic so the app stays up even when a model endpoint goes down

Insurance Premium Predictor

2024

Python, FastAPI, Scikit-learn, Docker, AWS EC2

- Built a machine learning API predicting insurance premiums from user inputs using regression models trained with Scikit-learn
- Containerized with Docker, published to Docker Hub, and deployed live on an AWS EC2 instance with port mapping and container networking configured

Skills and Interests

Languages: Python, SQL, JavaScript

Machine Learning: Scikit-learn, TensorFlow, Classification, Feature Engineering, Cross-validation

Deep Learning / NLP: Neural Networks, Hugging Face Transformers, Sentence Transformers, spaCy, Embeddings

Generative AI: LangChain, RAG, FAISS Vector Search, Prompt Engineering, Mistral, Flan-T5

MLOps and Tools: FastAPI, Docker, Docker Hub, AWS EC2, Git, GitHub, REST APIs, PyMuPDF, Streamlit, PostgreSQL, Redis

Certifications: AI and Machine Learning Training, Next Skills Academy (2024) – ML Pipelines, API Integration, LLM Fundamentals, Prompt Engineering, RAG Workflows