

ABHISHEK SHAH

+977(981) 587-3277 ♦ Janakpur, Nepal

abhishek@inflancer.com ♦ [LinkedIn: abhiverse01](#) ♦ [abhishekshah.vercel.app](#) ♦ [GitHub: abhiverse01](#)

OBJECTIVE

Software Engineer with 3+ years of experience in Machine Learning, LLMs, Data Science, and Python Full Stack Development as a professional, seeking full-time ML Engineer roles.

EDUCATION

Bachelor's of Computer Science Engineering - IOE, Tribhuvan University 2020 - 2024
Relevant Coursework: Data Mining, Microprocessor, Object Oriented Programming and Design, Artificial Intelligence and Theory of Computation.

Secondary Education - Model Secondary School, NEB 2017 - 2019

SKILLS

Technical Skills Python, Javascript, AI/ML, NLP, Data Science, OpenCV, RecSys, Deep Learning, Flask, SQL, Docker, Kafka, System Design, Microservice Architectures

Soft Skills Project Leadership, Writing and Communication, Content Development

EXPERIENCE

AIE - Artificial Intelligence Engineer & AI Team Lead Jun 2024 -
Inflancer Technology: FULL-TIME *Gwarko, Kathmandu, Nepal*

- **Recommender Systems:** Built and deployed systems for personalized content to boost engagement.
- **Intelligent Search:** Enhanced content discovery with NLP-based search.
- **AI Solutions:** Developed scalable AI on the cloud using Docker and Kubernetes.
- **Collaboration:** Aligned AI features with business goals through cross-team efforts.
- **Technical Skills:** Proficient in Python, Kafka, MongoDB, LLMs, and Neural Networks.

ML Researcher/Research Writer Jan 2019 - 2024
ResearchGrad: FREELANCE *Dharan, Nepal*

- Contributed to research on "Nepali Music Genre Classification" and "Multi-modal Hate Speech Detection" to support my mentor's M.Sc studies.

ML Engineer Jan 2019 - 2024
ResearchGrad: FREELANCE *Kathmandu, Nepal*

- Independently worked on several ML and LLMs Projects.
- Created a Python code generator by Fine-tuning a Llama-2 Model on the custom collected code/description dataset.
- Worked on a hand gesture recognition project using OpenCV and deploying it using Vercel.

ML Intern Oct 2023 - Nov 2023
Codsoft: INTERNSHIP *Bangalore, India*

- Built ML models for credit card fraud detection using Logistic Regression and Random Forest; handled imbalanced data with SMOTE. [GitHub](#)
- Achieved 86.55% accuracy in customer churn prediction with Random Forest, applying feature engineering and hyperparameter tuning. [GitHub](#)
- Developed NLP-based movie genre classifier with 57.87% accuracy and an interactive user interface. [GitHub](#)

- Delivered an SVM spam detection model with 98% accuracy through advanced preprocessing and matrix transformations. [GitHub](#)

ML Sub-Mentor

Oct 2023

ACES: SUB-MENTOR

Dharan, Nepal

- Assisted as a sub-mentor in a week-long ML training camp by ACES, supporting the mentor and attendees in understanding ML concepts, debugging errors, and suggesting improvements.

Python Backend Developer

2019 - 2024

FREELANCE

Nepal

- Developed and contributed to several group and solo projects, demonstrating strong Python proficiency.
- Created a range of applications including a Library Manager, Password Strength Checker, Pong Game, Blackjack, Tkinter-based Hangman, Tkinter-based Text Editor, Password Generator, Shop Calculator, Speed Typing, and Sudoku solver.
- Built a Ticket Generator using PyQt, Pillow, and Sqlite3 libraries, showcasing skills in database handling, image generation, and modern GUI development.
- Developed PySnake, a snake game with multiple modes using the PyGame library.
- Implemented an image editor with OpenCV and Pillow for image modification and editing.
- Created an analog clock using the ttkbootstrap library.
- Developed a SQLite-based student record management system.

PROJECTS

CodeBeing: Built a natural language-to-Python code generator using ReactJS, APIs, and a Llama-2 7B model fine-tuned on GitHub datasets. Deployed on Vercel. [Demo Live](#)

Hand Gesture Recognizer: Developed a CNN-based system with OpenCV to translate hand gestures into sign language for accessibility. [GitHub](#)

Sentiment Analyzer: Implemented a sentiment analysis tool with DistilBERT, achieving 89% accuracy in classifying text sentiments. [GitHub](#)

Recommendation System: Designed and deployed personalized recommendation systems for Inflancer Tech, leveraging microservices on Digital Ocean for scalability.

EXTRA-CURRICULAR ACTIVITIES

- Tech writer on [Medium](#), reaching 1K+ weekly readers with articles on technology, LLMs, and emerging tools.
- Building GitHub repos: [The Coder's Handbook](#), [how-I-learned-python](#), and [how-I-learned-ml](#) as comprehensive guides for beginners in Python, ML and deep learning.
- Volunteered and managed Deltathon, a major hackathon by ACES, and later participated as part of Team "ZAV," gaining competitive coding experience.
- Passionate about turning ideas into reality through coding, sketches, and idea-logs.

LEADERSHIP

- Led the "Project CodeBeing" team, managing model training, deployment, backend, and ReactJS development. Guided less experienced team members, successfully demonstrated the project to the Jury, and received positive feedback and future improvement suggestions.