

MIKEY SHARMA

Software Engineer & AI/ML Specialist

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Professional Summary

Software Engineer and AI/ML Specialist with 2+ years of experience in full-stack development and AI technologies. Led development on AI-powered financial platforms, built intelligent chatbots, and implemented ML solutions. Expertise in React.js, Next.js, Node.js, Python, TensorFlow, and PyTorch with strong background in NLP, sentiment analysis, and cloud deployment.

Professional Experience

Software Engineer (SE)

Neelgai Technologies | Remote

Nov 2024 – Present

Nepal

- Leading development on Danfe, an AI-powered financial platform enabling intelligent investment decisions using ML algorithms
- Architected system processing real-time market data, analyzing financial news sentiment, and providing investment recommendations via NLP/ML
- Built AI agents and chatbots with NLP capabilities; developed heatmap visualizations and portfolio optimization algorithms
- **Technologies:** React.js, Next.js, Node.js, Express.js, TypeScript, Python, TensorFlow, PostgreSQL, AWS

Software Engineer (SE)

Upwork | Multiple Clients

Nov 2023 – Oct 2024

Remote

- Led development for Otto Van Koppen (Spain) and collaborated with other clients on diverse web development projects
- Developed responsive web applications with React.js and Next.js; built robust server-side applications using Node.js and Express.js
- Deployed applications on Ubuntu Nginx servers; integrated CI/CD pipelines and configured mail servers from scratch
- **Technologies:** React.js, Next.js, Node.js, Express.js, JavaScript, Ubuntu, Nginx, CI/CD, Git, Linux

Technical Skills

Languages: Python, JavaScript, TypeScript, C

Frontend: React.js, Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, Redux

Backend: Node.js, Express.js, FastAPI, Flask, Django, REST APIs, GraphQL

AI/ML: TensorFlow, PyTorch, Keras, LangChain, Vector embeddings, RAG, Agents, NLP, Machine Learning, Deep Learning, Computer Vision, Sentiment Analysis

Databases: PostgreSQL, MongoDB, MySQL, Prisma ORM, TypeORM

Cloud/DevOps: AWS, GCP, Docker, Nginx, Linux, Git, CI/CD

Key Projects

Danfe - AI-Powered Financial Platform (Lead SE & AI/ML Specialist)

Nov 2023 – Present

- Architected financial platform combining AI/ML and real-time market data; implemented sentiment analysis, heatmap visualizations, and portfolio optimization
- Built scalable full-stack app with React, Next.js, Node.js, TypeScript, PostgreSQL on AWS

KaamSathi - AI Career Platform (*Full-Stack Developer*)

Personal Project

- Developed career platform with AI-powered resume builder, ATS score calculator, and skill assessment; integrated Google Gemini AI and Tavily API
- Built Next.js 15 frontend with Node.js/Express backend, TypeORM, and PostgreSQL

Art of Mithila - AI Art Classifier (*Full-Stack & AI/ML Engineer*)

Personal Project

- Developed web app using deep learning/computer vision to classify traditional Nepali art; trained VGG16 transfer learning model
- Built Next.js 15 frontend with Django backend and Cloudinary integration

Education

BSc (Hons) in Software Engineering

University of Bedfordshire

2026 – Present

United Kingdom

- Currently pursuing a Bachelor of Science (Hons) in Software Engineering with focus on software development principles, system design, and advanced computing

Higher Secondary Education | Computer Science

Dhanusha Science Campus, Janakpur

2023 – 2025

Nepal

- Completed higher secondary education with focus on computer science fundamentals and preparation for advanced studies

Additional Information

Languages: English, Nepali, Hindi, Maithili (Native)