

FARIYAD KHAN

MERN Stack Developer

IIT Mandi iHub (Current)
AI/ML Computer Vision | NLP
1+ yr MERN development
Passionate about AI apps

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Examination	University	Institute	Year
Master of Computer Application	SPU Mandi	Sardar Patel University, Mandi Campus	2022 - 24
Bachelor of Computer Application	HPU Shimla	M.L.S.M. College Sundernagar	2019 - 22

EXPERIENCE

IIT Mandi iHub | MERN Stack Developer

Dec 2024 – Current

Currently working as a Software Developer at IIT Mandi iHub. I am involved in designing and developing AI models, building NLP pipelines, and working on computer vision projects. My responsibilities include integrating retrieval-augmented generation (RAG) systems, enhancing user experience, and developing real-time AI tools to support intelligent and efficient solutions.

TECHNICAL SKILLS

Programming & Scripting Languages: Python, Nodejs, JavaScript

NumPy, Pandas, Matplotlib, OpenCV, TensorFlow, Keras, PyTorch , scikit-learn , Deep learning, Pattern recognition, Computer vision, Agentic AI, NLP, RAG

PROJECTS

LogisEye RAG Agentic AI (TIH, IIT Mandi)

Built a retrieval-augmented generation (RAG) chatbot for logistics queries. Integrated ChromaDB for vector storage, Llama for language understanding, and a voice-enabled interface to provide structured, contextually relevant answers efficiently.

AI Flight Agent Agentic AI (TIH , IIT Mandi)

Created an Agentic AI flight assistant to autonomously manage bookings, queries, and itinerary changes. Implemented advanced NLP for intent understanding, automated multi-step tasks, and delivered real-time conversational AI responses for enhanced user experience.

Sign Language Recognition (TIH , IIT Mandi)

Developed an AI system to detect hand gestures and convert them into text. Enabled real-time gesture tracking to assist communication, using computer vision and machine learning for accurate sign recognition.

CFP Project Management (TIH , IIT Mandi)

Developed and managed a comprehensive proposal management system for Technology Innovation Hub (TIH) at IIT Mandi, streamlining the call for proposals process, submission tracking, and evaluation workflow to enhance operational efficiency and stakeholder coordination.

Inventory Management System (TIH, IIT Mandi)

Developed an inventory and management system, focusing on the admin panel. Built reusable components, implemented RTK Query for API management, and applied React hooks in function components for efficient and modular frontend development.

CERTIFICATIONS

AI - Data Quality Analyst | IIT Mandi iHub

Aug 2024 – Nov 2024

Certified in AI-Data Quality Analysis with expertise in data validation, cleansing methodologies, and quality assurance practices essential for maintaining reliable datasets in AI/ML environments.