

# Jyotishman Das

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linkedin

Github

Portfolio

Medium

## Education

Indian Institute of Technology, Jodhpur

Master of Technology in Artificial Intelligence

Central Institute of Technology, Kokrajhar

Bachelor of Technology in Computer Science and Engineering

July, 2024 - Present

Jodhpur, Rajasthan

July, 2019 - June, 2023

Kokrajhar, Assam

## Experience

Growhut

Generative AI Engineer Intern

May 2025 – Present

Gurugram, Haryana

- **Migrated GenAI modules** (Chat, Transcript) from **OpenAI** to **Groq** and **Gemini** for **Surge** and **Finnulate (FTN AI)**; improved speed and scalability; deployed via **AWS Lambda** with tokenizer fallback and streaming support.
- **R&D/Prototyping of multi-agent orchestration in n8n**, enabling tool-agnostic **AI agents** for productivity tools; building a scalable **MCP-based** pipeline for automating task execution from natural language prompts.

Infosys Springboard

Project Intern

Nov 2024 – Jan 2025

Remote

- Developed a **RAG AI chatbot** and **Pandas AI agent** for healthcare, enabling document Q&A, conversational insights, and automated data trend analysis using **FAISS**, **LangChain (experimental toolkits)**, and **Gradio**.

People Tech Group

Machine Learning Operations(MLOps) Intern

Jan 2024 – July 2024

Hyderabad, Telangana

- Developed Text Similarity and Image Classification APIs to enhance IOP and OPG datasets' precision for **ivory.ai**; integrated object detection workflows with **MLflow** for efficient model tracking.

## Projects

**EventsHub: AI-Powered Event Management Platform** | *Next.js(TypeScript), TailwindCSS, Redux Toolkit, Express.js, MongoDB*

- Developed a full-stack event platform with **QR-based ticketing**, **YouTube livestream + chat**, Firebase-authenticated dashboards, and FastAPI microservices for event description generation, recommendations, user profiling, and chat summarization using **LangChain**, **OpenRouter API**, and **Google Custom Search API**, deployed on **Vercel & Render**

**Lane Detection using Traditional and Deep Learning Approaches** | *OpenCV, Streamlit, PyTorch, Transformers, ViT, TuSimple*

- Built a real-time lane detection system using **OpenCV + Streamlit**, and trained a **Vision Transformer-based Lane2Seq** model achieving 0.33 F1-score on the **TuSimple** dataset.

## Skills

**Languages:** Python, C/C++, Java, JavaScript, SQL, Bash, Solidity

**Developer Tools:** Vercel, n8n, GitHub, VSCode, Colab, Jupyter Notebook, MongoDB Atlas, Render, Replit, Postman, Cursor

**Frameworks/Libraries:** PyTorch, TensorFlow, Keras, LangChain, Transformers, OpenCV, Streamlit, Flask, Node.js, Express.js

**Coursework:** DSA, DBMS, OOP, ML, DL, NLP, CV, Speech Understanding, Compiler Design, MLOps, DLOps

## Certifications

**AWS Solutions Architect - Associate (SAA-CO3)** - AWS Certification

**Infosys Springboard** – Agile Scrum in Practice, Artificial Intelligence Primer Certification

**Boston Consulting Group** - Data Science Job Simulation on Forage

## Achievements and Positions of Responsibility

- **Support Team Member** – Present Training & Placement Cell, IIT Jodhpur
- **Core Team Member – CSR & Digital Media** – Present Office of Corporate Relations (DoRA), IIT Jodhpur
- **Winner – Darwix AI Hackathon** – Built a working AI system under 90 mins. 🏆
- **Winner – Crowdera Hack4RealGood Hackathon.** 🏆
- Top 5 finish in **CLASH-OF-T-AI-TANS**, a **Computer Vision Hackathon**