Jyotishman Das

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Education

Indian Institute of Technology, Jodhpur	July, 2024 - Present
Master of Technology in Artificial Intelligence	*Jodhpur, Rajasthan*
Central Institute of Technology, Kokrajhar	July, 2019 - June, 2023
Bachelor of Technology in Computer Science and Engineering	*Kokrajhar, Assam*

Experience

Infosys Springboard — Nov 2024 – Jan 2025
Project Intern — *Remote*
- Developed a **RAG AI Chatbot** using **FAISS, LangChain, and Llama3-70b** for healthcare applications, enabling document-based Q&A and conversational insights via a **Gradio** interface.
- Built a **Pandas AI Agent** for automated trend analysis and healthcare data visualization, leveraging **LangChain**'s experimental toolkits.

People Tech Group — Jan 2024 – July 2024
Machine Learning Operations(MLOps) Intern — *Hyderabad, Telangana*
- Spearheaded Text Similarity and Image Classification APIs, improved IOP and OPG dataset's precision for **ivory.ai**, integrated object detection model training inference APIs with **MLflow.**

National Institute of Electronics and Information Technology – NIELIT — July 2022 – Sept 2022
Industrial Trainee — *Kokrajhar, Assam*
- Completed a multi-domain industrial training program covering **Blockchain, IoT, and Machine Learning**, culminating in a capstone project titled "**AI for Non-Invasive Disease Prediction**", deployed via a **Streamlit** web application.

Projects

AI-Powered Clothing Recommender | *Python, PyTorch, ResNet18, Flask, MongoDB Atlas, Expo Snack, React Native*
- Developed an end-to-end fashion recommender using **ResNet18 + Cosine Similarity**, deployed on **Colab (Flask + LocalTunnel)**, and integrated with **React Native Expo frontend & MongoDB Atlas logging.**

Computer Vision based Road traffic analysis using Graphical Programming Interface | *OpenCV, LabView and Jupyter Notebook*
- Built vehicle detection/classification system using **OpenCV + LabVIEW**; captured/processed diverse traffic videos with **background subtraction, Mean Shift, and Dark Channel algorithms.**

Skills

Languages: Python, C/C++, Java, JavaScript, SQL, Bash, Solidity
Developer Tools: Git, GitHub, VSCode, Colab, Jupyter Notebook, MongoDB Atlas, Render, Replit, Postman, LabVIEW
Frameworks: PyTorch, TensorFlow, Keras, LangChain, Transformers, OpenCV, Streamlit, Flask, Node.js, Express.js, Gradio
Coursework: DSA, DBMS, OOPs, ML, DL, NLP, CV, Speech Understanding, Compiler Design, MLOps, DLOPs

Certifications

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

Boston Consulting Group - Data Science Job Simulation on Forage

Infosys Springboard — Agile Scrum in Practice, Artificial Intelligence Primer Certification

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

- Achieved **AWS Solutions Architect - Associate (SAA-CO3)** certification with a score of *853/1000*.

- Top 10 finish in **CLASH-OF-T-AI-TANS**, a **computer vision hackathon** by Saras AI Institute; led a project on **infrastructure recognition and differentiation.**