

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

Infosys Springboard

Project Intern

Nov 2024 – Jan 2025

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

Machine Learning Operations(MLOps) Intern

Jan 2024 – July 2024

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

Industrial Trainee

July 2022 – Sept 2022

Kokrajhar, Assam

- Led the "**AI for Non-Invasive Disease Prediction**" project using **ANN(97% accuracy)** and **Random Forest(98% accuracy)** and deployed a **Streamlit** app for Vitamin D deficiency severity prediction.

Projects

COVID-19 Prediction Model using Data Mining | *Python, Pandas, NumPy, TensorFlow, Matplotlib and Jupyter Notebook*

- Achieved **95% accuracy** with **ANN** for disease severity prediction, led end-to-end project execution with four-tiered severity outputs, and conducted detailed evaluation using **RMSE**, **MSE**, and graphical analysis.

Computer Vision based Road traffic analysis using Graphical Programming Interface | *OpenCV, LabView and Jupyter Notebook*

- Led a project on vehicle detection and classification, capturing and preprocessing 10-15 video datasets with diverse conditions, applying OpenCV, LabView, and algorithms (**background subtraction**, **Mean Shift**, **Dark Channel**) for accurate vehicle tracking and counting.

Skills

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

Developer Tools: : GIT, GITHUB, MySQL, VSCode, IntelliJ, Atom, Cloud9, Remix, Jupyter Notebook, OpenCV, LabView

Frameworks: Scikit, NumPy, Pandas, Matplotlib, TensorFlow, Keras, PySpark, Node.js

Coursework: OOPs, DBMS, Speech Understanding, ML, DL, DSA, Natural Language Understanding, Computer Vision, AI

Certifications

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

Boston Consulting Group - Data Science Job Simulation on Forage

Infosys Springboard - Agile Scrum in Practice

Infosys Springboard - Artificial Intelligence Primer Certification

Achievements and Positions of Responsibility

- Support Team Member** - Present Training & Placement Cell, 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**.