

Jyotishman Das

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Education

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

Experience

Infosys Springboard <i>Project Intern</i>	Nov 2024 – Jan 2025 Remote
<ul style="list-style-type: none">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 <i>Machine Learning Operations(MLOps) Intern</i>	Jan 2024 – July 2024 Hyderabad, Telangana
<ul style="list-style-type: none">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 <i>Industrial Trainee</i>	July 2022 – Sept 2022 Kokrajhar, Assam
<ul style="list-style-type: none">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 <i>Python, Pandas, NumPy, TensorFlow, Matplotlib and Jupiter Notebook</i>	
<ul style="list-style-type: none">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 <i>OpenCV, LabView and Jupyter Notebook</i>	
<ul style="list-style-type: none">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**.