Shanu Mathew

Website | shanutmathew1703@gmail.com | LinkedIn | GitHub

Education

Indian Institute of Information Technology Design and Manufacturing, Kurnool **2024-Present**
Masters of Technology (AI-DS) *CGPA: 9.0*

Medicaps University **2020-2024**
Bachelor of Technology (CSE-DS) *CGPA: 8.86*

Technical Skills

Programming Languages:	Python, C++
Libraries and Frameworks:	Pandas, Seaborn, Plotly, OpenCV, Keras, Tensorflow,PyTorch
Cloud Services:	Google Cloud, AWS
Tools:	PowerBi, Tableau, Docker, Streamlit
Familiar:	HTML, CSS, Javascript, SQL

Experience

Project Intern **Dec 2024 - Jan 2025**
Indian Navy (INS Tunir)

- Worked on enhancing the Navy's camera systems by integrating AI capabilities for improving surveillance efficiency.
- Worked extensively with AI, Python, and Computer Networks to develop computer-vision based solutions.

Associate Data Scientist **Jan 2024 - May 2024**
Blackcoffer

- Engineered innovative solutions across diverse projects, blending advanced machine learning techniques with robust data analytics and OCR implementations.
- Specialized in crafting cloud-driven applications (Google Cloud, AWS), leveraging modern tools like Grafana and MongoDB.

Projects

VisionTrail | *Python, YOLO, DeepFace, MySQL, OpenCV,FAISS* **Nov 2024 - Jan 2025**

- Developed a PyQt-based desktop application that displayed four simultaneous CCTV feeds with real-time AI processing.
- Integrated facial recognition and entry-exit counting, allowing users to toggle these features for individual camera feed with database connectivity.

Movie Spoiler-Shield | *Python, NLP, Javascript, Flask, BERT* **Aug 2023 - Oct 2023**

- Designed and implemented a Chrome extension to identify and filter spoilers from user reviews, enhancing the user experience.
- Developed a Flask-based API for communication between the extension and prediction models, showcasing proficiency in Web Dev and NLP.

Chat-Vista | *Streamlit, FAISS, LLAMA2, Langchain, RAG Pipelines* **April 2024 - April 2024**

- Developed an AI chatbot using Streamlit and the LLAMA2 model, enabling advanced document analysis and query responses.
- Implemented Retrieval-Augmented Generation (RAG) pipelines and FAISS for efficient document indexing and retrieval.