Ankit Das

7977018130 | ankitdasamd@gmail.com | linkedin.com/in/ankitdas919 | github.com/PiKa919 | kaggle.com/pikaaa

About

Inspired by the power of Machine Learning (ML) to tackle real-world challenges. I'm enthusiastic about applying my development skills to launch a Data Science career and contribute to the groundbreaking world of Generative AI.

Technical Skills

Programming Languages: Python, SQL, Julia, Cloud Platforms: GCP, Microsoft Azure

Deep Learning Frameworks: TensorFlow, PyTorch, Keras, Computer Vision, ResNet

Libraries & Tools: NumPy, Pandas, MatPlotlib, Plot.ly Scikit-learn, OpenCV, NLTK, Git, Selenium, Tableau, PowerBi, Streamlit, Langchain, MultiModal ML Models, Flask, Django, Selenium, BrowserUse

Projects

Pratishtha SAKECFEST Website

FullStack Website Project — *Next. Js, Three.Js, Spline, Firebase, MongoDB, Vercel*

- Developed an interactive **3D parallax background** using React Three Fiber, Three.js, and **TypeScript** that responds to mouse movement with subtle rotation effects, creating an immersive user experience..
- Implemented efficient event handling with **React hooks** to transform normalized cursor position into proportional 3D rotations, while ensuring proper memory management through systematic cleanup of event listeners.
- Designed a **responsive full-viewport 3D component** with Suspense-ready image loading and optimized camera settings, seamlessly integrating dynamic visual elements into the application's UI with minimal performance impact.

StockSight - Predictive Stock Analysis System with LSTM Neural Networks

Data Science Project — *Python, Keras, Scikit-learn, Pandas, Seaborn*

- Developed an **LSTM-based deep learning model** achieving stock price predictions with minimized RMSE.
- Implemented comprehensive stock analysis including **correlation metrics, moving averages, and risk assessment** for tech stocks.
- Created interactive **visualizations** for stock performance tracking and comparative analysis using Matplotlib and Seaborn

***Pune Metro Hackathon 2024* - Real-time Queue Monitoring System with Custom YOLOv8 Model**

Computer Vision Project — *Python, TensorFlow, OpenCV*

- Trained a **YOLOv8** model for high-accuracy **person detection** in video queues.
- Integrated YOLOv8 with OpenCV for high-speed video processing, achieving up to **85% accuracy** in person detection in various environments

VisionDoc - Deep Learning System for Eye Disease Detection

Deep Learning Project — *Python, ResNet, EfficientNetB3*

- Developed a deep learning system using **ResNet** and **EfficientNetB3** to automate the detection of eye diseases with **93% accuracy**, improving early diagnosis capabilities.
- Optimized model performance through **hyperparameter** tuning and data augmentation, for accurate predictions even with limited data

Experience

Quantum Machine Learning Intern — October 2023 – March 2024

CybraneX — *Remote*

- Collaborated with a multidisciplinary team to implement **quantum computing** techniques in real-world applications.
- Worked on **integrating the Stripe payment gateway** into a Django web application, enabling secure and efficient transaction handling for premium services.
- Worked on **TrOCR**, leveraging transformer-based models for Optical Character Recognition (OCR) to extract text from images. Along with **Microsoft Azure Pipeline project**

Education

Shah & Anchor Kutchhi Engineering College — Chembur, Mumbai

B.Tech in Computer Engineering,, with honours in Data Science, aggregate CGPA 8.05 — *2021 – 2025*

Rao Junior College of Science — Kharghar, Navi Mumbai

HSC - PCM, Percentage - 90.50% — *2019 – 2021*

Competitions and Achievements

Grand Finalist - Smart India Hackathon, December 2023

President, Adminstration Lead, Senior Projects Team Member - SAKEC Research Cell, 2022-25

Website/App Secretary - SAKEC Student Council (Prathistha) 2024-25

Certifications

Google Analytics for Beginners, Programming with Python (DataCamp), Introduction to Cybersecurity and Data Science (Cisco), Networking Standards - SkillSoft