ANIKET KUMAR

International Institute of Information Technology Naya Raipur

GitHub aniketch345@gmail.com Aniket Kumar (+91)7986136181 k-aniket47 Portfolio

Work Experience

Mahyco Pvt Ltd **August - December 2023**

Deep Learning and Computer Vision Intern

- Worked on UAV-based wheat ear head detection, implemented advanced detection algorithms like YOLO and Faster RCNN.
- Image processing and enhancement, Fine tuned UAV images for accurate wheat crop estimation.
- **Tech Stack: Python, OpenCV, Pytorch, TensorFlow, Keras**

Avkalan.ai **June - July 2023**

Machine Learning Intern

- Designed and built a conversational FAQ bot using Cohere API and LangChain, ensuring streamlined interactions for users.
- Improved user experience by implementing document embedding and integrated aws service for dataset.
- **Tech Stack: Python, Cohere API, LangChain, RAGs, Hugging Face, LLM, AWS, Generative AI**

Freelancer **June 2022 - March 2023**

Working as Freelancer in Field of Machine Learning and Deep Learning

- UAV Detection in Live Feed, developed using YoloV7 and Flask for user friendly Web Interface.
- Vehicle Number Plate Detection using YoloV5, OCR Deployed Into a GUI with Python Tkinter

Education

International Institute of Information Technology, Naya Raipur (IIIT-NR) **2020 – 2024**

B.Tech. : Data Science and Artificial Intelligence - 8.54 CGPA *Raipur, Chhattisgarh*

D N Model SR. Secondary School New Town **2018 - 2020**

CBSE (Class XII) Percentage: 89.4% *Moga, Punjab, India*

National Convent Sen Sec School Moga **2007 - 2018**

CBSE (Class X) Percentage: 89.6% *Moga, Punjab, India*

Projects

Oral Cancer Detection Source Code

- Oral Cancer Detection using histopathological images, employs a novel Ensemble CNN Model with an exceptional accuracy of 98.75%. The model has been deployed in a web-app for seamless access and usability.
- **Tech-stack : Python, Tensorflow, Keras, OpenCV, Flask**

Donor Prediction Source Code

- Developed a Streamlit app that predicts potential donors based on their income level using XGBoost, achieves an accuracy of 87% in its predictions.
- **Tech-stack : Python, Streamlit, Sklearn, ML Algorithms**

Alzheimer's Disease Detection using Speech Source Code

- Alzheimer Disease Detection from spontaneous speech using Deep learning deployed into a web-app
- **Tech-stack : Python, Tensorflow, Keras, Librosa, OpenCV, Flask**

Speech Bot Source Code

- A Discord bot that takes input as voice and generates an output using the OpenAI API.
- **Tech-stack : Python, Discord-bot, Speech recognition, OpenAI, LLM**

Achievements

5th Industry Academia Meet 2023: Recipient of the 1st prize in Image Processing and Computer Vision Track, with a cash prize of Rs. 5,000, for the project **Early Stage Endometrial Cancer Detection** Using Deep Learning achieving 97% accuracy on real-time data using a fully functional web-app.

Competitive Coding: Codeforces - 1022, CodeChef - 1624, 3 Stars

Kaggle Notebook Expert

Positions of Responsibility

HACK-A-SOL, IIIT-NR initiative Hackathon : Marketing and Promotion Team Head 2022

Technovate, Techno-Cultural Fest : Cultural - Head 2022

Technical Skills

Languages and Frameworks: Python, C++, Cuda, MySQL, JavaScript, Django, Flask, ReactJS, NodeJS
Libraries: TensorFlow, Keras, PyTorch, Open-CV, Transformers, LangChain, LLM, onnx, Hugging Face, TensorRT
Tools: VS Code, Git/GitHub, AWS, Visual Studio, Ubuntu
Skills: DSA, AI & Machine Learning, Deep Learning, Statistics, Data Analysis, Model Porting and Optimization