

VAIBHAV VISHWAKARMA

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EDUCATION

Vellore Institute of Technology

B. Tech Computer Science(Data Science) - 9.11 CGPA

07 2023 – 07 2027

Chennai, India

Kendriya Vidyalaya

Science (PCM) - 94 %CENT

06 2020 – 06 2022

Vadodara, India

PROJECTS

Am I Debarred | REST API, Interactive Web Application, Data Structures

- Course list and working days sent by the user are processed at the server & relayed back with attendance table.
- Deployed at Render.com with 70+ visits in 2 months.
Version control management with Git & GitHub.
- use-case : tool to Preplan Vacation & Significant Events, avoid tedious administrative delegation.

Youtube Automation | Web Scrapping, Timeline Analysis, Browser Automation

- Browser Automation with Selenium (accessing Client side page) & Hashtags extraction timeline - view count graph study & splits most viewed periods.
- Simultaneously uploads the video in Reel format to different Social Media Platforms.
- use-case : Hands Free video editing & creation of Bite size content. Provides hassle-free content re-creation & saves multiple man hours.

CERTIFICATIONS and ACHIEVEMENTS

Datathon | Data Analysis, Cleaning, Transformation. Model Selection, Evaluation, Finetuning.

- Dealt with cleaning & inconsistencies. Transformation with One-hot & Label encoding along with the elimination of least co-related features. Balancing dataset with SMOTE
- Evaluated models on the basis of Confusion Matrix and ROC - AUC Curves.
further Optimizing the best performer algorithm with suitable parameters using Grid - Search.

Smart India Hackathon 2024 | LSTM, OpenCV, Resnet50, Yolo, FastAPI

- Processes sequence of images identifying ongoing fight or aggression. Analyses the live count of people in frame, and their gender.
- LSTM model trained to detect people in violence or fight scenarios.
- Detection of human-body structure with Yolo and classification with Resnet50.
- Hosted with FastAPI server with Live dashboard & Camera feed.

• Completed British Airways Data Science Virtual Internship

• Best Global Rank of 1307 (Contest 166) & 1400+ Rating

• Fundamentals of Agentic AI with CrewAI

• 100+ DSA Questions over LeetCode & GFG

TECHNICAL SKILLS

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

Tools and Libraries: Scikit learn, PowerBI, Selenium, Moviepy, Pandas, Numpy, Matplotlib

Technologies/Frameworks: GitHub, FastAPI, CrewAi, React

EXTRACURRICULAR

• Outdoor Game Enthusiast

• Active follower of Finance & Startups & Geopolitics

• Best timing 100m Sprint with 13.36s

• Singing