Aniket Vishwakarma

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Professional Summary

Aspiring IT professional with an undying passion for Robotics, Artificial intelligence and Machine learning. Has extensive expertise in Data Science and IoT. Demonstrates an ability of seamlessly integrating hardware and software solutions, driven by exceptional adaptability, problem-solving skills and meticulous attention to detail. Committed to delivering exceptional work within progressive and dynamic environment.

Skills

Technical Skills	Data science, Machine learning, Internet of Things, Database Management, Automation, Embedded system.
Languages	Python, Java, C, C++, MySQL.
Libraries	Pyttsx3, Pandas, NumPy, Matplotlib, SciPy, TensorFlow, Seaborn, Keras, PyTorch, OpenCV.
Software / IDE	VS Code, Jupyter Notebook, KiCad, EasyEDA, Arduino, RaspberryPi, Cloudflare, Vercel, Git, GitHub, Proteus, Keil Microvision.

Projects

Assistant_06 — *Python, PySimpleGUI, pyttsx3, wolframalpha, wikipedia, Github* | Demo *July 2023 — August 2023*

- Developed an assistant utilizing APIs to provide prompt and accurate responses to user queries through a GUI text interface. Leveraged APIs for streamlined data retrieval and processing, ensuring efficient and precise information delivery.

Train_station_indicator — *C++, Arduino Ide, Proteus, Github* | Demo *August 2023 — September 2023*

- This project showcases a sophisticated emulation of real-time information displays observed in Mumbai's local trains. Delivers critical journey information including the current stop, upcoming stop, and final destination. It exemplifies precision engineering and rapid prototyping prowess.

LDR sensor circuit — *PCB Design, Electrical Schematic & Layout, KiCad* | Demo *January 2024 — February 2024*

- A testament to ingenuity, the LDR sensor circuit represents a cost-effective yet high-performance solution for light-sensitive applications at a small scale. It seamlessly integrates SMT and THT components.
- The resulting circuit ensure seamless production, assembly, and integration into a diverse array of miniature electronics applications.

TwoWheelsonRent — *Html, Css, JavaScript, Firebase, Vercel, Github* | Demo *August 2023 — March 2024*

- A sophisticated bicycle rental platform designed to streamline operations and elevate user experience.
- With meticulously implemented user and admin login functionalities, authentication and data storage, fortified by stringent data validation protocols. Continuously evolving through active development.

Academic Predictor — *Html, Css, JavaScript, Cloudflare, Github* | Demo *May 2024 — June 2024*

- Developed an intuitive web-based tool for students and graduates to determine their academic journey.
- With a responsive and user-friendly interface, it calculates where user was or would be in their academic journey based on their current age, target year, and years spent in kindergarten, while validating inputs for accuracy.

MoodPrediction — *Pandas, Sklearn, Joblib, Tkinter* | Demo *July 2024 — July 2024*

- Created a custom dataset from everyday conversations to analyze and categorize human moods based on user input through a user-friendly interface.
- This aims to offer profound insights into emotional patterns and behaviors, bridging computational analysis with the intricacies of human sentiment.
- Strives to advance our comprehension of emotional intelligence and support applications across diverse domains, including mental health and user experience design by transforming emotional states into actionable data.

Interests

Physics enthusiast, Amateur astronomy, Automobile enthusiast, Developing virtual assistant, VFX / Editing, Automobile design, 3D Design.

Achievements

17th Aavishkar Research Convention, 2023

Education

VPM’s RZ SHAH College of Arts, Science and Commerce — *October 2021 — Expected 2024*
Bachelor of Science in Information Technology

Wamanrao Muranjan Junior College, Mulund — *June 2020 — August 2021*
Higher Secondary — 79.17%

Dayanand Vedik Vidyalaya, Mulund — *June 2018 — March 2019*
Secondary School — 66%