

TVISHA VEDANT

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Education

Veermata Jijabai Technological Institute

Second Year B.Tech in Computer Engineering. CGPA - 9.58

October. 2022 – present

Mumbai, Maharashtra

Prakash College of Commerce and Science

HSC-science 95% MHT CET 99.97 %ile

June 2020 – June 2022

Mumbai, Maharashtra

SVIS

SSC - 94.6%

June 2007 – June 2020

Mumbai, Maharashtra

Projects

Healthbuddy-AI chatbot | Python, PyTorch, Langchain, LLMs, NLP

September 2023 - November 2023

- Used **Pytorch** to implement a **decoder-only transformer model**.
- Studied and implemented various evaluation metrics like bleu score, bert score.
- Researched about numerous models like **Falcon, Bloom, Llama2 from hugging face**.
- Also implemented **document based LLM**.

Myusik (Team Semicolonizers) | ReactJs, Mongoose, OpenCV, Python, FastApi

November 2023 - January 2024

- Music streaming web application using **Spotify API** for smooth endless playback using gesture controls.
- Implemented custom **gesture/gaze-controlled** music playback using **OpenCV and MediaPipe**.
- Used WebSocket to transmit webcam data and Developed the Frontend using **React js** and the backend using **MongoDB Atlas using Mongoose** and ML integration using **FastApi**.

Trip Planner Website | Python, NLP, Rapid API, TypeScript

March 2024

- A website providing itinerary generation using **Google Gemini**.
- Real-time flight price listing and hotel booking using tripadvisor RapidAPI.

Sentimental Analysis for SIH (Team SIXBITS) | Python, Django, Huggingface, NLP

September 2023

- Aim to create an **interactive application** allowing users to analyze sentiments expressed by users across social media
- Built the backend of the application using Django and frontend using vanilla **HTML/CSS/JS**
- Performed aspect based sentiment analysis using **Spacy to identify keywords** and **HuggingFace models to classify** the sentiment of tweets

Wifi Control Bot (SRA VJTI) | C, Json, HTML/CSS, ESP-IDF basics

February 2023 - April 2023

- Developed the mechanism to control the wall e bot by setting up a Wifi server and control the bot using our phone.
- Set up a webpage and Formulated an algorithm to manipulate Motor speeds according to joystick movement.

Technical Skills

Languages: Python, C,C++, HTML/CSS , JavaScript

Developer Tools: VS Code, Google Collab , Juypiter Notebook

Technologies/Frameworks/Libraries: Linux, GitHub, Pytorch , WordPress, NodeJs, ReactJs, Mongoose, FastApi

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Linear Algebra
- Discrete Mathematics
- Operating Systems

Leadership / Extracurricular

Pratibimb VJTI

Septmeber 2023 – Present

Marketing Executive

- Planned and Managed events for creating awareness and participation for events , planned marketing strategies.

Technovanza VJTI

December 2022 – June 2023

Technovanza Manager

- Managed the execution of asias 2nd largest techno fest, managed an enormous crowd of visitors .

COC(Community of coders) VJTI

September 2023 – Present

Member/Volunteer

- Conducted workshops and mentoring juniors for Coding and Open Source Contribution.

Open Source

March 2024

Contributor

- Contributed to Aeon-toolkit for adding a testing feature.