SIDDHARTH VERMA

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Profile Summary

A **Machine Learning** Enthusiast and React Native Developer. Experienced with Full-Stack development(Python)

Education

9.23/10   **BTech in Computer Science**, *Guru Gobind Singh Indraprastha University | Delhi, India*
95.0%   **12th Standard,** *Delhi Public School Vasant Kunj | Delhi, India*
96.0%   **10th Standard,** *Our Lady Of Fatima Convent School | Haryana, India*

Experience

- *IEEE Software Lead @MSIT*
- *Worked on several ML and Data Science projects, Web dev and app dev projects for Hackathons and seminars.*
- *Mentored in 2 offline Hackathons as an ML, Web Dev mentor*
- ***Courses:*** *Supervised Learning (Regression/Classification) | Advanced Learning Algorithms | Unsupervised Learning & Reinforcement learning | SQL & Linux*

Achievements

- ***Winner @CyberSecurity Hackathon by Delhi Police in West District, Delhi under CyberSecurity Awareness Program***
- Winner ***@HackAvensis*** Hackathon by IEEE at MSIT, Winner ***@Tech-a-thon 3.0*** by GDSC SRCASW
- ***2nd position @GDSC Hackathon at MSIT***
- Finalist @Vihaan 6.0 Hackathon by DTU, Innovation Challenge by IIIT-D
- Got a tree planted by open-source contributions in ***HacktoberFest 2023.***

Projects

BizInsights:

A platform for complete business and startup guides, incorporates a Shark-tank inspired virtual pitch and an Idea Maker which generated appropriate taglines, logos, competitors list and marketing strategies:

- Includes **Google-Generative API** which is fine-tuned using **Langchain** and business prompts custom dataset for effective pitch analysis and generated ideas.
- Backend integration using **Flask**
- Incorporates custom roadmaps for learning business fundamentals using **JavaScript and MongoDB**

MushyLabs:

A Binary Classifier ML model embedded in a website. **Model Accuracy: 94.6%**

- Developed a **Binary classifier from scratch** using Numpy which predicts the percentage edibility of a mushroom type (poisonous/edible).
- Responsive UI design and Frontend using pure **CSS**.
- Backend integration using **Flask** (Navigation/ Model Integration).

HandTracking and FaceTracking:

Computer Vision

- HandTracking and Face Detection modules developed using **OpenCV** and landmarks from **mediapipe** libraries.
- Tracks the number of fingers raised and coordinates of hand on screen.
- Works for ESP32 camera configuration for Arduino-based projects

MindSet:

A Full-stack website aimed to provide psychological therapies by means of mental exercises and games

- Frontend/ UI using **CSS, BootStrap, Js** and Backend using **Flask**
- ***Mini games:*** Memory tiles, color memorizer and Robota using Vanilla.js
- ***Yoga Pose Detection*** using ***mediapipe and OpenCV***. Numpy for tracking nodal distances and angles.
- ***Live Community***: Enables dynamic Chatting using Flask, **SQLAlchemy** and **AJAX**

SkillSet

- **AIML:** Tensorflow, PyTorch, OpenCV, LangChain
- **Data Science:** Numpy, Pandas, Microsoft Power BI, Seaborn, Plotly, Matplotlib
- **App Dev:** React-Native, Firebase
- **Data Structures & Algorithms**: C, C++, Python
- **Frontend:** Html5, CSS, Bootstrap, JavaScript
- **Backend:** Flask (Python), SQL Alchemy
- **Git Version control**
- **Bash Scripting**