SARTHAK AGASE

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OBJECTIVE

Aspiring IT student looking for internship and placement opportunities in Blockchain, Machine Learning, Web Development, and DBMS. Eager to use academic knowledge and project experience to make a successful impact.

EDUCATION

Vishwakarma Institute of Information Technology — Pune, Maharashtra
Bachelor of Technology in Information Technology | CGPA: 8.56 — *Dec. 2021 – Pursuing*

Rajarshi Shahu Junior Science College — Latur, Maharashtra
HSC Board | Percentage: 96% — *Jun. 2019 – Feb. 2021*

Kripa Sadan Convent High School — Latur, Maharashtra
SSC Board | Percentage: 95.20% — *Jun. 2007 – Mar. 2019*

PROJECTS

DeepFake Voice Detection | *Python* — [GitHub](#)
- Utilized librosa library for audio feature extraction such as MFCC.
- Trained multiple ML models (MLP, LGBM, Decision Trees, XGBoost, etc.) on extracted features.
- Implemented Ensemble Learning techniques as Voting Classifier for enhanced accuracy.

IntelliCart | *ReactJs, FastAPI, Python, HTML, CSS, JavaScript* — [GitHub](#)
- Built a market-basket optimization app with ReactJS frontend and FastAPI backend.
- Utilized Apriori, Elcat, and FP-Growth ML algorithms for intelligent product recommendations.
- Used Axiom library for API communication and real-time updates based on cart contents.
- Hosted temporarily on AWS EC2 with interactive UI.

AI Speech Emotion Detection | *Python* — [GitHub](#)
- Utilized Open-AI Whisper Model for Speech-to-Text Transcription.
- Applied NLP techniques and a Bag-Of-Words approach for emotion extraction.
- Employed various ML algorithms for emotion categorization (Random Forest, Neural Network, Gradient Boosting, etc).
- Integrated Voting Classifier on these algorithms to increase accuracy.

Quiz Application | *Django, SQLite3, JavaScript, Python, HTML, CSS Bootstrap* — [GitHub](#)
- Developed Django Quiz Application with API interface and admin dashboard for quiz management.
- Utilized SQLite3 database for ques-ans and marks storage.
- Built user-friendly UI including timers using HTML, CSS Bootstrap & JavaScript.
- Integrated Data Analysis and Visualization features using Matplotlib.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (MySQL, SQLite3), JavaScript, HTML, CSS, R
Frameworks: ReactJs, NodeJs, Express, Django, FastAPI, RestAPI, Bootstrap
Developer Tools: Git, AWS, Postman, MySQL Workbench, VS Code
Libraries: Scikit-Learn, NLTK, TensorFlow, Keras, Pandas, NumPy, Matplotlib
Technologies: DBMS, Machine Learning, NLP, Blockchain

OTHER INFORMATION

Activities:

- Participated in social initiatives organized by NSS such as awareness camps, blood donation drives.
- Served as a member of the organizing committee for the Gandharva Fest.
- Engaged in various hackathons and coding events with active participation.

Hobbies: Trekking, Sports (Cricket, Basketball, Chess)

Interests: Finances, Cryptocurrency, Geo-Politics

Spoken Languages: English, Hindi, Marathi