Manthan Yelpale

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EDUCATION

SMT. Kashibai Navale College of Engineering	*2021 – 2025*
B.E in Computer Science engineering	*GPA: 6.69/10*
Tatyasaheb Musale Vidhyalaya Junior College, Ichalkaranji	*2019 – 2021*
High school Education	*GPA: 89.67/100*

SKILLS

Languages: C++, Python, HTML, CSS, SQL

Fundamentals: Data structure and algorithm, database management system, Data visualization

Technologies/Database: API, Machine Learning, AI, Deep learning, Big data, Data analytics, Hadoop, MySQL, PostgreSQL, MongoDB

Libraries/Frameworks: Pandas ,NumPy ,Seaborn ,Matplotlib, Scikit-learn, TensorFlow, OpenCV

Developer Tools: Git , GitHub , VS Code, PowerBI, Tableau

EXPERIENCE

Ispeed Invention Private Limited *OCT 2024 – April 2025*
AI Assisted Accounting — Internship

- Worked on real-time financial datasets from banking and accounting domains to develop and test an AI-powered virtual accounting assistant chatbot.
- Assisted in building data pipelines to collect, clean, and process real-time data from bank transactions, invoice OCR results, and accounting ledgers into ChainBook's backend system
- Built interactive Power BI dashboards for CAs and CFOs to monitor cash flow trends, audit triggers, tax compliance, and financial KPIs.

PROJECTS

Breast Cancer analysis: — *Tech Stack: Python, Pandas, NumPy, Matplotlib-seaborn, Scikit-learn, XG boost* *Source Code* ↗

- Developed a breast cancer prediction model using ML algorithms with data preprocessing, feature selection, and performance evaluation..
- Achieved classification accuracy exceeding 95% with the top performing models

NLP- Sentiwave: —*Tech Stack: Python, NLTK, Matplotlib, Pandas, NumPy, FastAPI, Uvicorn, Pytorch* *Source Code* ↗

- Sentiwave is a FastAPI-powered web service that performs real-time sentiment analysis on English text using a fine-tuned DistilBERT model from HuggingFace Transformers
- It offers RESTful endpoints to analyze single or multiple texts for positive or negative sentiment using pre-trained NLP intelligence.

American sign language —*Tech Stack: Python, Pandas, NumPy, TensorFlow, Keras, OpenCV,*

- Developed a Python-based application to translate ASL hand signs into English words using TensorFlow Object Detection API.
- Implemented real-time processing to ensure seamless and efficient ASL-to-text conversion.

CERTIFICATION

- Introduction in AI and Data science
- DeepLearning.AI Data Engineering