

Manthan Yelpale

Pune, India

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SUMMARY

Motivated fresher with strong learning ability and good communication skills, seeking an entry-level opportunity to grow professionally.

EDUCATION

SMT. Kashibai Navale College of Engineering, Pune

B.E in Computer Science Engineering

2021 – 2025

Pune, India

Tatyasaheb Musale Vidhyalaya Junior College, Ichalkaranji

Higher Secondary Education

2019 – 2021

GPA: 89.67/100

SKILLS

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

Frameworks & Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, FastAPI

Databases: MySQL, Oracle, MongoDB

Fundamentals: Machine Learning, AI, RAG, Data Visualization

Tools & Platforms: Git, GitHub, VS Code

INTERNSHIP

Ispeed Invention Private Limited

10/2024 – 04/2025

Pune, India

- Research & development Intern*
- Developed Python-based backend modules to process financial transaction data using SQL and OCR inputs
 - Integrated backend services and APIs to store and retrieve structured financial data
 - Improved processing speed and data accuracy through optimized queries and code refactoring
 - Reduced manual data handling effort by approximately 40% through backend automation

PROJECTS

Breast Cancer Prediction Model: | Tech Stack: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, XGBoost

[Source Code](#)

- Built a machine learning pipeline in Python for classification using structured data
- Performed data preprocessing, feature selection, and model evaluation

Sentiwave–NLP Sentiment Analysis: | Tech Stack: Python, NLTK, Matplotlib, Pandas, NumPy, FastAPI, Uvicorn, PyTorch

[Source Code](#)

- Built a FastAPI-based REST API for real-time and batch sentiment analysis
- Optimized API performance, reducing response time by 35%

AI Document Assistant | Tech Stack: Python, FastAPI, Streamlit, Gemini Flash, RAG, FAISS, Pandas, NumPy

- Developed an AI-powered assistant to extract insights from PDFs, Word, and scanned documents using RAG and Gemini Flash.
- Reduced manual document retrieval time by 60% through intelligent data querying and real-time response generation.

CERTIFICATION

- Introduction to AI and Data science - IBM
- DeepLearning.AI Data Engineering
- Data Analytics Job Simulation by Deloitte Australia