

EDUCATION

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science (Specialization in AIML) | 2021 – 2025

Pratibha Junior College, Pune, Maharashtra
XII (State Board) | 2020 – 2021

S.B. Patil Public School, Pune, Maharashtra
X (CBSE) | 2018- 2019

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL
- **Libraries & Frameworks:** TensorFlow, Keras, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, Flask, Streamlit, Power BI
- **Technologies:** Android (Java), Firebase (FCM), RESTful APIs, LLMs (Mistral), RAG, CNNs, NLP, Git, Docker, SQLite, Sentence Transformers, Qdrant
- **Cloud & Tools:** GitHub, Azure (basic), Docker, Campus Interaction Portal, IntelliJ IDEA, VS Code

DATA SCIENCE PROJECTS

- Panace-AI – Android Health Alert System-** Nov 2024-Mar 2025
- Designed and developed an Android application using Java that tracked real-time user behavioral patterns to detect anomalies and generate automated health alerts during pandemics.
 - Implemented Firebase Cloud Messaging (FCM) to enable seamless communication between the app and hospitals, ensuring instant alert delivery and response coordination.
 - Built modular, event-driven background services to handle alert automation efficiently, improving system scalability and responsiveness during continuous monitoring.
- SeekIt : LLM-Powered Semantic Search Tool** - Jul 2024-Oct 2024
- Developed and designed SeekIt's backend pipeline using semantic similarity, NLP techniques, and vector embeddings for contextual query understanding.
 - Packaged Mistral LLM using Docker & Ollama, resulting in a fast, secure, fully offline REST API for local inference.
 - Created a scalable ingestion logic with high-throughput vector indexing to support dynamic user-uploaded data.
- WatchaDoin’ ? : OTT Recommender System** - Apr 2025-July 2025
- Developed a hybrid collaborative + content-based filtering system using Python and Java (SMILE) for personalized OTT recommendations.
 - Led backend development in Flask, integrated user preference logic and real-time history tracking via SQLite.
 - Designed responsive UI with HTML, CSS, and Jinja templating, ensuring smooth user experience.
 - Used Power BI dashboards to visualize engagement patterns and monitor system impact in real time.
- Fetal AI using AIML** - Dec 2023- May 2024
- Preprocessed fetal ultrasound images using OpenCV and Scikit-learn for model-ready input consistency.
 - Applied advanced augmentation (rotation, scaling, brightness normalization) to improve CNN generalization.
 - Standardized data formats and documented the pipeline for clinical-grade AI deployment readiness

CERTIFICATIONS

- Oracle:**
- Oracle OCI Generative AI certification (1Z0-1127-25)
- Data Science Ceritifications:**
- Applied Machine Learning in Python – Coursera
 - Getting Started with Data Analysis on AWS – Coursera
 - Quantum Data Analytics Virtual Experience – Forage
- Cloud and Other Ceritifations:**
- Microsoft Azure Administrator Associate (AZ-104)
 - Externship in Artificial Intelligence and Machine Learning – Smart Internz

EXTRACURRICULAR & ACHIEVEMENTS

- President, Marathi Club (20212024) Led initiatives, budgeting, and execution during Inter-University Cultural Festival.
- Recently earned the Oracle OCI Generative AI certification (1Z0-1127-25)

INTRESTS

Table tennis enthusiast
Travel lover
Nature trekker
Curious reader of technology blogs