



Education

| | |
|---|--------------------|
| MPSTME, NMIMS University | 2022 - 2026 |
| B. Tech in Computer Engineering | |
| CGPA: 3.78/4 | |
| Vidyanidhi Junior College of Science | 2022 |
| HSC: 75 % | |
| Chhatrabhuj Narsee Memorial School | 2020 |
| ICSE: 97.5 % | |

Projects

Electricity Bill Processor App (AI-powered OCR) – April 2025

Technologies: Python, Streamlit, Tesseract OCR, Google Gemini API, Pandas

- Developed a Streamlit app to extract and structure data from electricity bill PDFs using OCR and Gemini.
- Preprocessed noisy inputs, of various templates with filtering and enhancement, boosting extraction accuracy above 90%.
- Automated batch parsing for 50+ files with CSV and JSON export and validation of 8+ billing fields.

Customer Churn Prediction Model - March 2025

Technologies: Python, Scikit-learn, Pandas, Matplotlib, Streamlit

- Developed ML model predicting customer churn using Logistic Regression, Decision Trees, and Random Forests.
- Performed feature engineering and evaluated models with accuracy(>85%), precision, recall, ROC-AUC.
- Created an interactive Streamlit web application for visualizing predictions and insights.

AI Checkers Engine (Reinforcement Learning) - July 2024

Technologies: Python, TensorFlow, Keras, OpenAI Gym

- Developed an AI agent for checkers using Q-learning and Deep Q-Networks (DQN).
- Trained the agent via simulated environment, learning optimal strategies through trial and error.
- Implemented a GUI for interactive human-AI gameplay, achieving competitive performance.

Stock Market Prediction using Machine Learning - March 2024

Technologies: Python, Pandas, Scikit-learn, Keras, LSTM, Flask, Alpha Vantage API

- Built a stock price prediction system using Random Forest and LSTM networks.
- Utilized historical data and technical indicators; developed an end-to-end data pipeline.
- Deployed the model as a Flask web application for querying stock predictions.

Internships

Teaching Volunteer – Pupils Academy School

June 2023 – July 2023

I volunteered my time as an educator at a school serving a community of 100 + students with limited resources. Taught Math, English from the ground up to complex concepts, with increasing their marks by 15 marks on average due to my tutoring.

CORE SKILLS

Technical Skills:

Programming Languages: Python, C++, Java, HTML, CSS, JavaScript, SQL

AI/ML: Machine Learning Algorithms, Neural Networks, Model Training and Tuning

Data Analytics & Visualization: Probability and Statistics, Matplotlib, Tableau, SAS ODA

Soft Skills:

Leadership (Led 1000+ students in school as Captain and Vice-Captain, Club Sport teams).

Strong Communication and professional fluency.

Achievements and Positions of Responsibility

- Awarded Bachelors and Masters from Mumbai University in Abacus (advanced mathematical skills).
- Professional table tennis player ranking 7 out of 1000+ competitors in State Level Tournaments.