

Prathmesh Nitnaware

CONTACT

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PROFESSIONAL SUMMARY

I am a Computer Engineering student passionate about Machine Learning, Deep Learning, and AI-driven applications. I have developed and deployed end-to-end ML projects in text classification, medical imaging, and real-time systems. I enjoy building practical, impactful solutions using Python, scikit-learn, TensorFlow, Streamlit, and React/WebRTC. My skills are strengthened by internships, certifications, and hackathons that emphasize hands-on innovation and real-world deployment.

TECHNICAL SKILLS

- **Languages:** Python, Java, C, HTML, CSS, JavaScript, SQL
- **ML Libraries & Tools:** scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib, Streamlit, Flask
- **Other Tools:** Android Studio, VSCode, Git, SQLite, React.js, WebRTC, Socket.io
- **Concepts:** NLP, CNN, Classification, Model Evaluation (F1-score, Precision/Recall), Data Visualization
- **Databases:** MySQL, SQLite
- **Platforms:** Jupyter Notebook, Google Colab

EDUCATION

- **Vidyalankar Institute of Technology**

Bachelor of Technology in Computer Engineering (Pursuing)
Expected Graduation Month: May 2027

- **Takshashila Mahavidyalaya, Amravati**

Sr. Secondary Education (MSBSHSE: 68%) - 12th, 2023 Secondary
Education (MSBSHSE: 94%) - 10th, 2021

PROJECTS

1. AI-Powered Fake News Detection

- Built a text classification model using Python, scikit-learn, and TF-IDF to detect fake news.
- Achieved 93% accuracy using Logistic Regression and Naive Bayes with cross-validation.
- Deployed the solution using Flask and Streamlit for real-time predictions.

2. MRI Brain Tumor Classification

- Trained a CNN model using TensorFlow and Keras to classify MRI scans into tumor categories.
- Applied image preprocessing, Conv2D, MaxPooling, and Dropout layers; reached 95% validation accuracy.
- Built an interactive Streamlit app for image upload and prediction.

3. Flipkart Helpdesk AI Classifier

- Created a multi-class classifier using TF-IDF and SVM to categorize Flipkart-style support tickets.
- Conducted data cleaning, EDA, and applied cross-validation with hyperparameter tuning.
- Deployed via Streamlit for real-time input and response with model evaluation metrics.

4. Virtual Movie Streamer (WebRTC + React + Socket.io)

- Built a full-stack movie streaming platform with real-time webcam/mic chat using WebRTC and React.
- Implemented host controls (mute all, end room), participant list, and responsive grid layout.
- Used Socket.io for peer-to-peer room management and signaling.

5. Weather App (Android)

- Developed an Android app using Java to display real-time weather using OpenWeatherMap API.
- Integrated location-based data via GPS with permission handling and dynamic UI updates.

EXPERIENCE

- **Team Leader – Hackathon, ABESIT College, Ghaziabad**

Apr 2025

Led a team to finalist position in a 24-hour hackathon on AI-based Fake News Detection.

- **Android Development Intern – AcmeGrade**

Remote | Jun 2024 – Aug 2024

Completed Android development internship focused on Java and UI/UX basics.

- **Intern – FireBird VR**

Remote | Nov 2024 – Dec 2024

Contributed to mobile VR development and UI enhancements for Android apps.

CERTIFICATIONS & WORKSHOPS

- **Geodata Processing using Python and Machine Learning – ISRO (March 2025)**
- **Fundamentals of AI Concepts – Microsoft (Feb 2025)**
- **McKinsey Forward Program – McKinsey & Company (2025)**
- **Virtual Data Analytics Internship – Deloitte (April 2025)**
- **Python Developer Certification – Sololearn (March 2025)**
- **Java Developer Certification – Sololearn (Feb 2023)**
- **Soft Skills & Young Professionals – TCS iON**
- **Android Development Internship – AcmeGrade (Aug 2024)**
- **Internship Offer Letter – FireBird VR (May 2025)**
- **Soft Skill Certification – TCS ion**
- **Young Professionals Certification – TCS ion**

ACHIEVEMENTS

1. Finalist in a Hackathon held at **ABESIT College, Ghaziabad**, for developing an AI-powered Fake News Detection tool.