

Tejal Vinod Apraj

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Profile Summary

MCA student specializing in AI-powered application development with strong hands-on experience in Python, Machine Learning, NLP, and Generative AI. Skilled in building intelligent systems, interactive dashboards, and full-stack applications that solve real-world problems. Experienced in integrating ML models into production-style applications using Streamlit, Flask, and modern web technologies.

Objective

To secure an AI/ML or Software Development Internship / Entry-Level role where I can apply my skills in machine learning, generative AI, and full-stack development while contributing to impactful real-world products.

Technical Skills

Programming: Python, JavaScript, Core Java, SQL

AI & Machine Learning: Data Cleaning, Feature Engineering, Classification Models, Model Evaluation, ML Pipelines

Natural Language Processing: Tokenization, Lemmatization, Stopword Removal, TF-IDF, Cosine Similarity, Resume Parsing

Generative AI: Image Captioning (BLIP Model), Vision-Language Models (Basics), Prompt Engineering

Frameworks & Tools: Streamlit, Flask, Scikit-learn, Pandas, NumPy, Matplotlib, NLTK

Web Development: HTML5, CSS3, JavaScript, React (Basics), REST APIs, JSON

Databases & Platforms: MySQL, Git, GitHub, Postman

Design: Figma, Canva, Responsive UI Design

Projects

AI-Powered Resume Screening System

Tech Stack: Python, NLP, Scikit-learn, Streamlit, Matplotlib

Apr – Jul 2025

- Built an AI system to automatically compare resumes with job descriptions and generate match scores.
- Implemented complete NLP pipeline including text cleaning, tokenization, lemmatization, and vectorization.
- Used TF-IDF and cosine similarity to compute resume-JD matching percentage.
- Designed interactive dashboards with charts and visual insights for skill comparison.

Image Caption Generator (Generative AI)

Tech Stack: Python, BLIP Model, Transformers

Oct – Nov 2025

- Developed a Generative AI system that produces human-like captions from input images.
- Integrated a pretrained BLIP vision-language model for image-to-text generation.
- Understood and applied encoder-decoder architecture used in multimodal AI systems.
- Built a simple UI to demonstrate real-time caption generation.

Load-Aware Seat Allocation System (Research Project)

Tech Stack: React, JavaScript, Python, Flask, Scikit-learn

Sep – Nov 2025

- Built an ML-assisted system to classify train coach load as Safe or Risk using passenger data.
- Trained classification models on 1200+ records and integrated predictions into the application flow.
- Designed an interactive seat-map UI with real-time allocation logic.
- Implemented intelligent seat allocation using age, weight, and user preferences.

Trade Journal App (Full-Stack Project)

Tech Stack: Node.js, Express.js, JavaScript, JWT, Postman

Dec 2025

- Developed a complete trade journaling system to record, track, and analyze trading activity.
- Implemented secure authentication using JWT and middleware.
- Built protected API routes and frontend route guards.
- Tested and validated APIs using Postman; project marked assignment-ready with production UI.

Smart To-Do List & Calculator UI System

Tech Stack: HTML, CSS, JavaScript

Jan 2025

- Built a productivity web app with task creation, editing, priority sorting, and reminders.
- Implemented localStorage for persistent data storage.
- Designed a custom interactive calculator UI with smooth user experience.

Education

Master of Computer Applications (MCA)

Guru Nanak Institute of Management Studies, Mumbai

CGPA: 8.44

Present

Bachelor of Science in Information Technology

DG Ruparel College, Mumbai

CGPA: 8.35

2020 – 2023

Certifications

Data Analytics – Cloud Counselage Pvt. Ltd.

GitHub Essentials – Cloud Counselage Pvt. Ltd.

Soft Skills

Analytical Thinking, Problem Solving, Quick Learner, Team Collaboration, Adaptability, Communication, Attention to Detail