

Ayush Shetty

Mumbai | (+91) 9137505938 | [LinkedIn](#) | shettyayush2004@gmail.com | [Github](#)

PROFESSIONAL EXPERIENCE:

Prodigy Infotech

Mumbai, Maharashtra

Data Science Intern (Remote)

July 2025

- Worked on ML tasks including Logistic Regression, Decision Trees, and visualization using Python.
- Built Streamlit-based UIs for interactive model results.
- Enhanced skills in Python, Pandas, Matplotlib, Scikit-learn, and Streamlit.

TECHNICAL SKILLS:

Programming Languages: Python | C | C++ | Java | SQL | HTML | CSS

Frameworks and Libraries: Machine Learning | Deep Learning | Flask | Scikit-learn | Pandas | NumPy | React | OpenCV

Software's: Jupyter | Excel | PowerPoint | Google Colab | VS Code

Other Tools: Git | GitHub | AWS

EDUCATION:

MCT Rajiv Gandhi Institute of Technology

Mumbai, Maharashtra

B.E in Artificial Intelligence and Data Science (CGPI: 9.34/10)

November 2022 – May 2026

Ramnivas Ruia Junior College, Mumbai

Mumbai, Maharashtra

XII (HSC) (Percentage: 78.33%)

August 2020 – Feb 2022

Lokmanya Tilak English High School, Mumbai

Mumbai, Maharashtra

X (SSC) (Percentage: 95.4%)

June 2019 – March 2020

ACADEMIC PROJECTS:

Agentic AI-Based Video Editor

- Developed a multi-agent AI-powered video editing system using Gemini (multimodal LLM) for speech-to-text transcription, scene analysis, and semantic evaluation, and MoviePy for video manipulation.
- Designed an autonomous Plan → Execute → Evaluate → Re-plan workflow using six specialized agents (MasterAgent, EditingAgent, QualityAgent, CaptioningAgent, SummarizerAgent, and SceneAgent) to automate and optimize video editing tasks.
- Implemented intelligent scene detection using frame-level pixel difference analysis and motion-energy scoring to identify and rank high-engagement segments for highlight reel generation.
- Built a Streamlit-based interface with real-time agent activity feeds, platform-specific export presets (TikTok, Instagram Reels, YouTube Shorts, YouTube, LinkedIn, Twitter/X), and multi-language caption burn-in support.

Book Recommendation System

- Developed a recommendation system using Collaborative Filtering and Content-Based Filtering with Flask for deployment.
- Implemented similarity score computation (cosine similarity) and integrated a front-end interface for user interaction.
- Optimized model performance to generate personalized book suggestions.

Virtual Try-On System

- Implemented a Virtual Try-On application using the VITON-HD model with PyTorch for clothing overlay on predefined images.
- Utilized computer vision libraries (OpenCV, Pillow) for preprocessing and alignment.
- Integrated a basic interface to select from available clothing and model images for try-on output.