Chirag Patankar

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EDUCATION

Shah and Anchor Kutchhi Engineering College　　　　　　　　　　　　　　**Chembur, Mumbai**
Candidate for Bachelor of Artificial Intelligence and Data Science
Expected Graduation: 2026
Cumulative CGPA: 8.4/10.0
Admission Status: Admitted under the **Tuition Fee Waiver Scheme (TFWS).**

TECHNICAL SKILLS & CERTIFICATIONS

- **Programming:** Python, JavaScript, Java, C.
- **AI/ML/Systems:** Hybrid Recommendation Systems, SVD, RAG, CNN, Agentic AI, TensorFlow, Flask, Docker, PostgreSQL.
- **Cloud & Tools:** AWS, Google Cloud, IBM Cloud, Oracle, Power BI, Figma.
- **Certifications (Selected):** BCGX Gen AI, Prompt Design in Vertex AI (Google Cloud), Tata Data Visualization.

RESEARCH & INNOVATION

Inventor - Indian Patent Application (Status: Filed)
A Tutor System and Method for Providing a Personalized and Adaptive Learning Experience
- Architected the core system integrating a Hybrid Recommendation Engine using SVD (Collaborative Filtering) and TF-IDF/Cosine Similarity (Content-Based).
- Integrated a Transformer-based model and Retrieval-Augmented Generation (RAG) for real-time, context-aware chatbot support.
- Implemented a Monitoring Module that uses K-Means Clustering to segment users and dynamically adjusts content difficulty based on quiz scores.

ENTREPRENEURSHIP & LEADERSHIP

BuildVerse-studio | Founder & Lead Architect
- Co-founded an AI innovation studio specializing in MVP development and AI voice agents to accelerate startup growth.
- Applied expertise to build smarter, scalable solutions blending creativity with technology.

The Webnect | Digital Services Consultant
- Drove digital service delivery, specializing in client solutions involving Power BI Dashboards and AI Chatbot development.

Leadership: Graphics Team Head for Cogniscience Club; managed and delegated design tasks for all major departmental events.

KEY TECHNICAL PROJECTS

Toxic Comment Classifier & Moderator App
- Developed a multi-label NLP classification app deployed via Streamlit to analyze and moderate comments across six toxicity categories.
- Implemented custom model training, persistence (Pickle), batch processing, and detailed data visualization for moderation actions.

AI Customer Support Bot - MCP Server
- Developed a Model Context Protocol (MCP) server that delivers AI-powered customer support by integrating external LLM services (Cursor AI, Glama.ai).
- Architected the backend system for batch processing and user tracking using PostgreSQL and Docker.