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EDUCATION

VIT Bhopal University

B.Tech in Computer Science and Engineering CGPA: 8.13

Aug 2022 – May 2026

Bhopal, India

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL

Frameworks/Technologies: Flask, Streamlit, scikit-learn, Node.js, Express, WebRTC, REST APIs, OAuth

Developer Tools: VS Code, Git, GitHub, Jupyter Notebook

PROJECTS

MentorFlare 🔗

Flask, Ollama, ASR/TTS, Javascript

Sep 2025

- Created a full-stack AI mock interview platform with Flask backend and JS frontend that conducted 50+ simultaneous interview simulations, integrating resume parsing, NLP-driven Q&A, and candidate evaluation.
- Implemented custom resume-to-question generation pipelines, enabling dynamic, role-specific interview questions with 90%+ accuracy in relevance and reducing manual preparation time for candidates.
- Integrated speech recognition (ASR) and text-to-speech (TTS) for real-time voice-based interviews, allowing 100+ users/day to practice conversational responses and receive instant feedback on performance.

LocalMind

Ollama, LangChain, ChromaDB, HuggingFace, Python

May 2024

- Developed an offline AI-powered chatbot that ingests multi-format documents (PDF, Word, Markdown, TXT, HTML) and enables private, natural language Q&A.
- Engineered a semantic retrieval pipeline using HuggingFace embeddings and ChromaDB, enabling 1000+ documents to be stored and reused with sub-second query latency.
- Designed a modular architecture with Ollama LLMs and LangChain, allowing 3+ interchangeable models while ensuring 100% offline operation and complete data privacy.

Twitter Automation Bot 🔗

Flask, Twitter API, HTML/CSS, scikit-learn

Mar 2024

- Developed a full-stack automation app with Flask backend and HTML/CSS frontend that scheduled and posted 100+ tweets securely via Twitter API, eliminating manual workflows.
- Introduced a file upload and parsing system to ingest tweet batches, schedule them at user-defined intervals, and reduce manual scheduling effort by 6+ hours weekly.
- Integrated an ML-based content compliance checker using scikit-learn NLP pipelines to classify tweets against Twitter content policies before posting, reducing risk of violations.

News Veracity Classifier

Python, scikit-learn, Streamlit, NLP

Nov 2023

- Built an ML pipeline using TF-IDF and Logistic Regression to classify news articles as real or fake.
- Trained and evaluated the model on over 12,000+ curated articles from a balanced Kaggle dataset, achieving a consistent accuracy rate above 95%.
- Created a user-facing Streamlit interface for real-time headline classification, enabling live experimentation and confidence-based feedback, and supported 1,000+ headline tests with <2s response latency.

EXTRACURRICULAR ACTIVITIES

- Generated affiliate revenue by promoting developer-focused tools (e.g., SaaS boilerplates), leveraging direct outreach and micro-community marketing, resulting in \$500+ in commissions.
- Experimented with Club Illmatic — a niche hip-hop site featuring 100+ bios and lyric annotations — using WordPress with custom themes and taxonomies.
- Scaled a niche Instagram page to 450K+ reach by conducting 12+ A/B tests on hooks, CTAs, and post timing to optimize virality.

CERTIFICATIONS

- **Applied Machine Learning** — University of Munich
- **Generative AI Fundamentals** — IBM
- **AWS Cloud Practitioner Certificate** — Ethnus