PARTH MITTAL

⚲ Delhi NCR

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EDUCATION

VIT Bhopal University   **Aug 2022 – May 2026**
B.Tech in Computer Science and Engineering ***CGPA: 8.13***   *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

AI-Powered Resume Analyzer & Job Matcher ↗
Flask, React, HuggingFace, scikit-learn   **Aug 2025**

- Created a full-stack resume parser that extracted structured data (skills, education, experience) from 500+ PDF/DOCX resumes with 95%+ accuracy, streamlining candidate evaluation.
- Implemented a resume ranking system using semantic similarity; personally tested and refined the model on 20 different job descriptions, ensuring optimal performance and relevance.
- Launched a React recruiter dashboard, storing 4,000 applicant profiles and enabling AI-driven shortlisting, which boosted candidate ranking accuracy by 15% using semantic similarity models.

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