Yajuvendrasinh Chudasama

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EDUCATION

VIT Bhopal University, Bhopal *June 2022 – June 2026*
B.Tech in Computer Science CGPA: 8.0/10

Chaitanya School, Gandhinagar
Class 12th CBSE Board: 80% *Mar 2021 – Mar 2022*
Class 10th CBSE Board: 85% *Mar 2019 – Mar 2020*

TECHNICAL SKILLS

Languages: Python, C++
Web Development: HTML5, CSS, JavaScript, Express, Node.js, MySQL, MongoDB, Bootstrap
Tools: Git, VS Code, Postman, AWS
Machine Learning: Supervised Learning, Deep Learning, NLP, Agentic AI, RAG, Vector DB

ACHIEVEMENTS & RESPONSIBILITIES

- Ranked in the **top 3% out of 900+ students** in the Computer Science Codeathon at VIT Bhopal.
- **Solved 400+ DSA problems** on platforms like GeeksforGeeks and LeetCode.
- **Top 7 finalist** out of 150+ teams in a college-level hackathon, solving real-world issues in 24 hours.
- **Core Committee Member** for college fests, managed logistics for 1000+ attendees.

PROJECTS

RagnaVid – Local RAG-Based YouTube QA System *Jan 2025 – May 2025*
Technologies: Streamlit, yt_dlp, faster-whisper, FAISS, SentenceTransformers, llama-cpp

- Built an offline QA pipeline using transcription, semantic chunking, FAISS retrieval, and local LLM.
- Achieved <1s response for 10+ min videos with caching, quantization, and threading.
- Proposed desktop app with multi-video support and long-context answer generation.

ReferralConnect – AI-Powered Job Referral Platform *Jan 2025 – Mar 2025*
Technologies: React, Node.js, MongoDB, Python, OpenAI, Selenium, SMTP, JWT

- Automated referrals via resume parsing, GPT-based emails, and professional matching.
- Secured dispatch via SMTP and Selenium; built dashboards for user/admin workflows.
- Saved 80% manual effort through personalized, fully automated email pipelines.

City Facts AI Agent – LLM-Orchestrated Fun Fact Generator *Dec 2024 – Feb 2025*
Technologies: YAML, Meta LLaMA 4, Prompt Engineering, EC2

- Extracted tone-aligned facts from Wikipedia using similarity scoring with YAML-based agent workflows.
- Reduced manual curation by 80% using dynamic looping and persona-driven generation logic.
- Planned UI integration and scale-up to 1K+ facts/day at $0.001 per output.

Solar Panel Efficiency Prediction – Zelestra Hackathon *Jan 2025*
Technologies: Python, XGBoost, CatBoost, Optuna, Pandas, Matplotlib

- Predicted panel efficiency from 20K+ records; achieved 0.0996 RMSE with tuned ML models.
- Ranked Top-30 out of 500+ teams; reduced features from 17 to 11 using correlation filters.

CERTIFICATIONS

- MERN Full-Stack Developer – ETHNUS *Mar 2024*
- Intro to Machine Learning, Intermediate ML – Kaggle *Feb 2024*
- Bits and Bytes of Computer Networking – Google (Coursera) *Jan 2024*