Vyas Arjun Gudlavalleti

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PROFESSIONAL SUMMARY

Final-year Computer Science (AI & ML) student at VIT Bhopal with a strong foundation in AI/ML, algorithm design, and full-stack development. Skilled in building AI/GenAI/Agentic AI systems, with experience in healthcare and automation. Proficient in Python, deep learning, LLMs, and AI workflow orchestration. A collaborative, adaptive learner passionate about innovation, knowledge sharing, and impactful AI-driven solutions.

EDUCATION

VIT Bhopal University — *Bhopal, India*
B.Tech in Computer Science (AI & ML) — *CGPA: 8.29/10*

Narayana Junior College — *Hyderabad, India*
Class XII — *Percentage: 95.5%*

TECHNICAL SKILLS

Programming & AI: Python, Java, ML, Deep Learning, NLP, Generative AI, LLMs, Agentic AI Systems
Web & App Development: HTML, CSS, Streamlit
Frameworks & Tools: LangChain, Gemini 1.5, BERT, Hugging Face, Pydantic, Wikipedia API, DuckDuckGo API
Soft Skills: Collaboration, Problem-solving, Adaptability, Communication, Continuous Learning

PROJECTS

AI-Powered Research Insights Agent | LangChain, Gemini 1.5, Python
- Built a fully modular, LLM-powered agent using LangChain and Gemini 1.5 to autonomously answer user queries based on uploaded documents and dynamic search.
- Automated extraction of key information, enabling real-time summarization, topic identification, and contextual understanding from diverse inputs.
- Integrated Wikipedia API, DuckDuckGo search, and custom file-saving tools to gather, validate, and export structured insights across multiple sources.
- Designed the agent with extensible tool-calling logic and schema validation (via Pydantic), ensuring output consistency, reusability, and deployment readiness.

Mental Health Text Classification App | Streamlit, BERT, Python
- Developed a web-based application using Streamlit to classify mental health-related text inputs using a BERT-based NLP model.
- Enabled users to receive immediate, context-aware feedback on their input, aiding in early identification of mental health concerns.
- Integrated features like interactive confidence sliders, input validation, and accessibility enhancements (ARIA labels, keyboard navigation) to ensure an inclusive and user-friendly experience.
- Aimed to bridge the gap between users and mental health insights by offering a private, fast, and accessible AI-driven assessment tool.

LEARNING & CERTIFICATIONS

Machine Learning Trainee – Finlatics (Feb–Jun 2025)
- Practical ML workflow experience and peer collaboration.

Daily LeetCode Practice
- Strengthening algorithmic skills and contributing to peer learning groups.

AI/ML Learning Engagements
- Active in AI/ML webinars, communities, and workshops on AI, Generative AI, and Agentic AI.

CERTIFICATIONS

Oracle Data Science Professional – 2025

IBM Generative AI Using Watsonx.ai – 2025

AI & ChatGPT Masterclass (Be10x) – 2024

SOCIAL INITIATIVES

Engaged in AI learning initiatives and volunteering for social causes supporting orphanages and elderly care.