



VIJAYA VARDHAN KILLI

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EDUCATION

PRAGATI ENGINEERING COLLEGE

Bachelor of Technology in Computer Science And Engineering — CGPA: 8.32 / 10.0

Coursework: Data Structures & Algorithms, Distributed Systems, Artificial Intelligence(AI), DBMS.

Surampalem , India

Expected May 2026

ANDHRA POLYTECHNIC

Diploma in Computer Engineering — Percentage: 85.5%

Relevant Coursework: Operating Systems, Computer Networks, Object-Oriented Programming, Data Structures.

Kakinada, India

Nov 2020 - Jul 2023

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript

Web & Backend Technologies: Django, Flask, REST APIs , Distributed System Design

Software Engineering: Data Structures, Algorithms, Debugging, Code Reviews, API Testing, Manual Testing

Databases: MySQL, MongoDB

AI / ML: LangChain, Retrieval-Augmented Generation (RAG), FAISS, Natural Language Processing(NLP), Gemini API

Tools: Git, GitHub, Unix, Linux, Render, Postman, VS Code

Core Concepts: Object Oriented Programming, Scalability, Networking (TCP/IP)

PROJECTS

GreenGenie - Renewable Energy Awareness Chatbot

May 2025 – Jun 2025

- Built a backend service for a GenAI-powered chatbot using Retrieval-Augmented Generation (RAG) to answer renewable energy queries accurately.
- Processed and indexed 7 domain-specific documents into a FAISS vector store to enable efficient semantic search and context retrieval.
- Integrated Gemini API via LangChain to generate context-aware responses with a fallback mechanism for low-confidence queries.

YouTube Playlist Duration Calculator

Jan 2024 - June 2024

- Developed a full-stack web application to compute the total runtime of YouTube playlists using the YouTube Data API.
- Implemented backend logic in Django to fetch video metadata and accurately aggregate durations across playlists.
- Designed RESTful endpoints without using Django REST Framework to gain a deeper understanding of request-response handling.
- Built a responsive React frontend to display playlist details and calculated duration in an intuitive format.

WORK EXPERIENCE

1M1B

Remote

Software Engineer Intern (AI Backend)

Jun 2025 – Sep 2025

- Implemented production-grade backend logic for Retrieval-Augmented Generation (RAG) using LangChain, FAISS, and Gemini API.
- Worked on document ingestion, vector indexing, and context-aware response generation
- Validated API correctness using Postman and manual test cases.
- Worked with modular codebases and Git workflows
- Collaborated in a 4-member team to design and test backend APIs using Flask.

CITY ONLINE PVT. LTD.

Kakinada, India

Networking Intern

Jul 2022– Jan 2023

- Assisted in the configuration and maintenance of office networking infrastructure.
- Gained hands-on experience with LAN setup, basic routing, and network troubleshooting.
- Supported server and network monitoring tasks to ensure reliable connectivity.

CERTIFICATIONS

- Google Cloud Computing Foundations
- AWS Academy Graduate - Cloud Foundations
- Software Engineering Essentials
- JavaScript Essentials – Cisco Networking Academy