

Akhila Nakka

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About Me

A passionate Computer Science student with hands-on experience in AI-driven projects and full-stack development. Internships focused on automation, data workflows, and user-centric solutions. Proven ability to deliver impactful projects and work effectively in collaborative environments.

Technical Skills

Languages: Python, Java, HTML, CSS, JavaScript, TypeScript

Frameworks: LangChain, LangGraph, n8n, ReactJS, NodeJS, FastAPI

Databases: MySQL, SQLite, Firebase, Qdrant(Vector database)

Developer Tools: GitHub Copilot, Cursor, Git/GitHub, Pandoc

Other Skills: API Integration, Data Pipelines, Automation, Problem-Solving

Experience

Himitsu Lab (AI Intern)

April 2025 - Present

Hands-on experience working with real-time AI projects focused on data preparation and model training workflows. Worked on dataset creation and synthetic data generation using LLMs to support training of AI models for diverse use cases. Collaborated with tools like FastAPI, Python, and vector databases to manage and serve data dynamically.

APSSDC (ML intern)

Worked on sentiment analysis project to analyze text data, resulting in 90% accuracy in classifying customer feedback as positive, negative, or neutral. Gained hands-on experience in NLP, machine learning, and data visualization through a sentiment analysis project, enhancing skills in text processing, feature extraction, and real-world applications like customer feedback and social media monitoring.

Projects

Resume Builder: An AI-powered resume builder application using ReactJS and FastAPI, integrating LangChain, Pandoc, and LLMs to tailor resumes based on job descriptions for improved relevance and targeting. [Source Code](#)

Text-to-SQL Query Generator and Response Converter: AI application using LangChain and SQLite to convert natural language queries into SQL, leveraging Groq's LLaMA model for accurate query generation and user-friendly response conversion. [Source Code](#)

Word generator: A daily word generator developed using TypeScript, Firebase, NodeJS and LLM (via LangChain) to generate 5 new words per day based on selected domain with persistence history. [_Source Code](#)

Education

B.TECH - CSE (AI ML)

2022-Present

Aditya College of Engineering & Technology

CGPA: 8.44 / 10.0

Certifications:

1. Salesforce Ai Associate
2. Programming with Python