Nagadhanush Chiluveru

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Objective

To contribute to innovative projects and solutions, driving efficiency and growth for the organization. I aim to collaborate with a dynamic team, continuously learn, and apply cutting-edge technologies to help the company achieve its strategic goals.

Education

Keshav Memorial Institute of Science and Technology　　　　　　　Nov 2022 – Present
BE in Computer Science Engineering　　　　　　　　　　　　　　　　　CGPA: 8.32/10

Experience

Software Developer Intern (Backend & AI), NNIIT　　　　　　Sept 2025 – Present

- Architected and deployed a full-stack AI calling agent using React, Node.js, and Express.js, integrating VAPI for automated feedback workflows and supporting 25+ concurrent calls with JWT-secured authentication.
- Implemented real-time RAG-based transcript analysis for live meetings, enabling semantic search, topic extraction, and Q&A insights while reducing external LLM API costs by 90% through optimized retrieval and batching strategies.
- Developed contact and campaign management modules with CSV import/export, automated call logging, and analytics dashboards to streamline tracking and operational reporting.
- Designed and optimized RESTful APIs for Career Pages and internal services; applied query-based retrieval and lazy loading to reduce data load time by 50%.
- Structured a modular monolithic backend architecture, improving scalability, maintainability, and overall system performance.

Teaching Assistant, IFS – KMIT　　　　　　　　　　　　　　Apr 2024 – May 2024

- Mentored 10+ students in data structures, algorithms, and problem-solving techniques; conducted doubt-clearing sessions and supported coding assessments to improve performance and optimization skills.

Projects

Flipkart Chatbot using LangChain, AstraDB, and RAG

- Developed an AI-powered chatbot for Flipkart customer support using LLM and RAG.
- Integrated LangChain with AstraDB, Groq LLM, and Flask API for real-time product query handling.
- **Tools:** Python, Flask, LangChain, AstraDB, Groq, Pandas

Resume Screening System using FastAPI and Transformers

- Built a resume screening API to match candidate resumes with job descriptions using semantic similarity.
- **Tools:** Python, FastAPI, Transformers, scikit-learn, SpaCy

Twitter Sentiment Analysis

- Developed a real-time sentiment analysis tool for classifying tweets as Positive, Negative, or Neutral.
- **Tools:** Python, Tweepy, TextBlob, Matplotlib

GitHub: github.com/nagadhanush23

Technologies

Programming: Python, C, C++, Java　　**Web:** Node.js, React, Express.js, HTML, CSS, SQL
ML & AI: ML/Deep Learning, RAG, Vector Databases, Sentiment Analysis

Cloud: AWS (EC2, S3, Lex), Docker

Achievements and Certifications

- **Data Analytics and Visualization Job Simulation** by Forage and Accenture

- **60-Day Virtual Internship in Data Analytics** by KultureHire