

LINGESH S

Email: lingeshsrinivasan1@gmail.com

Phone No: [7299307308](tel:7299307308)

LinkedIn: www.linkedin.com/in/lingesh-s29

GitHub: github.com/Lingesh-S

ABOUT ME

I'm Lingesh S, a passionate Computer Science Engineering graduate with a strong foundation in Machine Learning, Data Analytics, and Natural Language Processing. I bring hands-on experience from an internship at Cognibot Labs, where I applied ML techniques to real-world problems. I've built end-to-end AI projects like a Resume Screening Dashboard and an LLM-powered RAG pipeline, demonstrating my ability to blend technical knowledge with practical applications. I'm seeking opportunities to contribute to innovative projects and grow as an AI/ML professional.

EDUCATION

B.E. Computer Science Engineering

Sathyabama University, Chennai

2020 - 2024

CGPA: 8.41

SKILLS SUMMARY

- **Languages:** Python, SQL
- **Databases/OS:** MySQL, PostgreSQL, Windows
- **Machine Learning:** Supervised & Unsupervised Learning, NLP, LangChain, Transformers
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch
- **Frameworks/Tools:** Flask, Power BI, N8N, LangChain, Git, Google Colab
- **Soft Skills:** Critical Thinking, Problem-Solving, Effective Communication

WORK EXPERIENCE

Machine Learning Intern

Cognibot Labs | Aug 2022 – OCT 2022

- Worked on real-world ML problems involving data preprocessing and model building.
- Contributed to experimentation and implementation of supervised models.
- Applied Python and ML libraries (Scikit-learn, Pandas) in practical projects.
- Documented processes and reported insights to mentors weekly.

PROJECTS

1. LDA-Powered Resume Screening Dashboard

Presented at ICCCAI-2024 (Taylor's University, Malaysia)

- Developed an interactive Streamlit dashboard using LDA (Latent Dirichlet Allocation) for extracting dominant topics and keywords from resumes.
- Designed a custom NLP-based job matching algorithm with token indexing, achieving >80% accuracy in simulated resume screenings.
- Integrated OpenAI API to auto-generate personalized interview questions, enhancing recruiter productivity through AI-powered automation.
- GitHub Link: (bit.ly/438nhXw)

2. NoteNinja AI – Personalized Learning Assistant

- Built a smart learning chatbot using LangChain and HuggingFace Flan-T5 transformer for natural language understanding from academic notes.
- Implemented context-aware Q&A via document retrieval pipelines from custom PDF/Text sources.
- Deployed and tested the solution via Streamlit UI with real-time input handling and response generation.
- GitHub Link: (bit.ly/3H73qiU).

3. Codebase RAG Assistant

- Designed a Retrieval-Augmented Generation (RAG) system that answers questions about code using Mistral-7B, combining transformer-based generation with semantic search from a vector store.
- Built a pipeline to load and chunk .py, .md, and .json files, then embed them with SentenceTransformers and store in a Chroma/FAISS vector database for high-precision code retrieval.
- Integrated LangChain, Mistral-7B, ChromaDB, and Streamlit to deliver real-time code understanding, explanation, and developer support via a modular assistant.
- GitHub Link: (bit.ly/4kxpzFu)

CERTIFICATES

- Machine Learning Internship – Cognibot Labs
- Cloud Data Management Associate - Oracle
- Data Analytics Virtual Experience - Accenture

ACHIEVEMENTS

- Published and presented a research paper titled "LDA-Powered Resume Screening Dashboard with Token Indexing & Streamlit" at ICCCAI-2024, in association with Taylor's University, Malaysia.
- Developed and deployed a personalized learning chatbot for students using LangChain and Flan-T5, enabling real-time, context-aware Q&A from academic notes.
- Engineered a RAG-powered Codebase Assistant using LLMs, LangChain, and vector databases to help programmers understand, query, and explore codebases through natural language.