

Nithesh K

+91-8610361091 | mr.nithesh.k@gmail.com | [in](#) Nithesh K | [mrnithesh](#) | Coimbatore, India


OBJECTIVE

Seeking an internship opportunity to leverage my skills in software development, AI-driven solutions, and process improvement. With a strong foundation in problem-solving and data-driven analysis, I aim to contribute to the design, development, and deployment of innovative business and technology solutions. Passionate about collaborating in dynamic teams to enhance performance, streamline operations, and deliver high-quality software solutions.




EDUCATION

- SNS College of Engineering** Nov 2022 - May 2026
B.E Computer Science and Engineering (Internet of Things & Cyber Security including Blockchain Technology) Coimbatore
 - CGPA: 9/10.00

INTERNSHIP EXPERIENCE

- SNS iNnovationHub**  August 2024 - Current
AI Engineer Intern Coimbatore, India
 - Developed AI-driven solutions to enhance document analysis and compatibility with automated systems, improving accuracy and efficiency by approximately 20-30% through advanced language models.
 - Engineered an intelligent feedback module for coding environments, offering structured guidance on efficiency, logic, and error handling, leading to a 60-70% increase in feedback relevance.
 - Built an automated document formatting system using LaTeX, which customized templates to reduce manual formatting time by 80-90%.

PROJECTS

- Mercurious.ai: AI-Powered Interactive Learning Tool** Sep 2024 - Oct 2024
Tools: Python, Streamlit, Google Generative AI API, YouTube Data API, Firebase, Firestore, NLP 
 - Developed an AI-driven platform that personalizes YouTube learning through AI-powered summarization, concept extraction, quizzes, flashcards, note-taking, bookmarking, and an AI chat assistant that provides real-time answers and personalized guidance to enhance content engagement efficiently.
- DiagramBot.ai: Open-Source Diagram Automation Tool** Oct 2024
Tools: Python, Streamlit, Mermaid.js, Google Generative AI API 
 - Created a dynamic, open-source tool for automated diagram generation, enabling users to build complex visuals quickly using Mermaid syntax.
- Nila-AI Therapist: Personal AI Life Counselor** Apr 2024
Tools: Python, Google Generative AI API, pyttsx3, Streamlit, NLP 
 - Developed a conversational AI counselor that provides voice-based guidance on personal topics, enhancing accessibility and engagement by integrating text-to-speech for a natural, conversational experience, and promoting user comfort in discussing sensitive issues. Leveraged Google's Generative AI API to deliver empathetic, nuanced responses, showcasing advanced NLP capabilities.

SKILLS

- Programming Languages:** Python, Java, SQL
- Database Systems:** MongoDB, Vector databases, MySQL
- AI Technologies:** Generative AI (GenAI), Retrieval-Augmented Generation (RAG), Prompt Engineering, Vector Embeddings, LangChain, Langflow
- Frameworks:** Pandas, NumPy, Scikit-Learn, Streamlit, Flask, FastAPI
- Cloud Platforms:** Google Cloud Platform (GCP)
- Other Tools & Technologies:** Git, Docker, Microsoft Office
- Soft Skills:** Adaptability, Team collaboration, Quick learning, Empathy, Critical Thinking

ACHIEVEMENTS

- Shortlisted, Google AI for Impact Hackathon (Top 95 teams globally)** Dec 2024
Google
- Winner, AIDevs India Hackathon (36th place)** Oct 2024
Langflow
- All Round Performer Award** Apr 2024
SNS College of Engineering
- Winner, Project Presentation Competition** Nov 2023
Sri Ramakrishna Institute of Technology

CERTIFICATIONS

- Introduction to Data Analytics on Google Cloud** Google, Nov 2024
- Google Cloud Computing Foundations: Cloud Computing Fundamentals** Google, Oct 2024
- Introduction to Generative AI** Google, Oct 2024
- Python Object-Oriented Programming** LinkedIn Learning, May 2023
- Java Object-Oriented Programming** LinkedIn Learning, May 2023
- SQL Essential Training** LinkedIn Learning, May 2023