

ANUSHA D K

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PROFESSIONAL SUMMARY

Results-driven Software Developer with expertise in building AI-powered healthcare solutions and full-stack applications. Specialized in Large Language Models (LLMs), AI agents, and cloud technologies with hands-on experience in developing end-to-end automation workflows. Proficient in React.js, Python, and Azure ecosystem with a strong foundation in HL7 FHIR standards and healthcare interoperability. Demonstrated ability to evaluate and optimize LLMs for production environments while delivering scalable, secure applications using modern DevOps practices.

EDUCATION

B.E. Electronics & Communication Engineering

2021 – 2025

Dayananda Sagar College of Engineering

SGPA: 8.6

Intermediate (10+2)

2019 – 2021

Masters PU College, Hassan

Percentage: 99%

SKILLS

Programming Languages

Python, JavaScript, C++

Frontend & Backend

HTML, CSS, JavaScript, React.js, FastAPI, Flask, REST APIs

AI / ML & LLMs

Large Language Models (LLMs), AI Agents, Prompt Engineering, LangChain

Cloud & DevOps

Azure, Azure Cosmos DB, Azure Key Vault, Azure Storage Account, Docker, Kubernetes, CI/CD

Databases

SQL, ChromaDB

Security & Authentication

MFA, Secure Token Handling

EXPERIENCE

Software Developer | Skypoint

March 2025 – December 2025

Bangalore, Karnataka (On-site)

Key Technologies: Python, JavaScript, React.js, REST APIs, Large Language Models (LLMs), AI Agents, Prompt Engineering, HL7 FHIR, Da Vinci Implementation Guides, Azure Cosmos DB, Azure Key Vault, Azure Storage Account, Docker, Kubernetes, CI/CD, MFA

- Evaluated and benchmarked Large Language Models (LLMs) for conversational grounding, coherence, hallucination detection, and user alignment.
- Designed and developed end-to-end healthcare automation workflows integrating LLMs with clinical data pipelines.
- Implemented AI agent-driven automation for EHR-integrated healthcare processes.
- Built full-stack dashboards for healthcare workflow tracking with real-time status monitoring and analytics.
- Integrated Azure Cosmos DB for scalable storage and efficient retrieval of clinical and operational data.
- Deployed and managed applications using Docker and Kubernetes across development and production environments.
- Automated secure authentication workflows using MFA, token handling, and orchestration.
- Worked extensively with HL7 FHIR interoperability standards and Da Vinci Implementation Guides.

Software Developer | Nexus Info

December 2024 – March 2025

Tamil Nadu, India (Remote)

- Investigated and resolved data-related issues using SQL through structured root-cause analysis.
- Optimized data workflows and suggested process improvements.
- Developed responsive and dynamic user interfaces using React.js to enhance user experience.

PROJECTS

VideoSurf – AI-Powered Video & Podcast Summarization

Technologies: Python, YouTube APIs, FFmpeg, Speech-to-Text, Language Detection, Translation Models, NLP, Large Language Models (LLMs)

- Built an AI system to extract insights from YouTube videos and podcasts.
- Retrieved transcripts directly from YouTube when available.
- Implemented a fallback pipeline to convert video to MP3 and extract audio when transcripts were unavailable.
- Performed speech-to-text transcription on extracted audio to generate transcripts.
- Applied automatic language detection and translated non-English content into English.
- Used LLM-based summarization to generate concise summaries and highlight key discussion points.
- Delivered structured outputs with the most important takeaways from long-form content.

LEADERSHIP

Member – IEDC (Entrepreneurial Development Cell)

Dayananda Sagar College of Engineering

INTERESTS

Artificial Intelligence, Machine Learning, Large Language Models, Data Science

