# NIKITTA K S

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## EDUCATION

**Coimbatore Institute of Technology**                                      **October 2021 – Present**
Integrated Masters in Artificial Intelligence and Machine Learning

**National Model Matric Higher Sec School**                                      **June 2020 – April 2021**
Class 12th, Percentage - 87.3%

## SKILLS

**Programming languages:** Python; **Databases:** SQL, Neo4j, ChromaDB
**AI & ML:** NLP, OCR, STT, TTS, RAG, LLM Integration, Embeddings, Vector Databases, Knowledge Graphs
**AI Tools & Frameworks:** LangChain, LangGraph, Ollama, Google Gemini
**Web Skills:** HTML, CSS, JavaScript, MERN

## WORK EXPERIENCE

**Elyts LLC, Dubai (Remote)**
*Data Science Intern*                                      **December 2025 – Present**
- Contributed to AI-driven products including the Powerhouse AI Hiring System by building resume parsing pipelines, PDF-based RAG systems, compliance data extraction modules, and LLM-powered chatbot solutions.
- Tested and validated multi-agent workflows in a no-code AI workflow builder, implemented meeting notes indexing into Neo4j knowledge graphs.

**Finari Services Private Limited, Chennai (Hybrid)**
*Full Stack Developer Intern*                                      **July 2024 – November 2024**
- Engineered a geolocation-based access control system, automated speech-to-task conversion (AWS Transcribe + Gemini), and developed NLP-driven support tools (ticket prioritization, recommendation engines) also automated test case generation from RTMs to enhance security and operational efficiency.
- Built OCR automation for document processing, conducted automated vulnerability assessments (AWS Inspector), and developed predictive models for customer churn risk and lifetime value (CLTV) to drive data-driven retention strategies.

## PROJECTS

**Raarya - Real Estate & Construction, Coimbatore (Freelance)**
*AI Developer Intern*                                      **January 2025 – April 2025**
- Built an AI voice assistant for a real estate company using STT, TTS, and Gemini-powered RAG to deliver real-time, human-like responses to customer queries.
  **Technologies:** Python, FastAPIs, Gemini, RAG, Hugging Face, Qdrant, Embeddings, Assembly AI (STT), ElevenLabs (TTS)

**TOVA AI - AI Agent (Text-to-SQL)**
- Built an AI-powered Text-to-SQL agent that supports creating, deleting, altering, and analyzing SQL queries in MySQL. Included features like smart query suggestions, example data previews, and automatic table structure summaries.
- Integrated Gemini to convert natural language into SQL queries, and displayed visualized query results to support clear, AI-assisted data exploration and decision-making. **Technologies:** React, Node.js, SQL, GenAI, AI Agents, Ngrok

**MedNLP: Patient Condition Classification Using NLP**
- Developed an NLP pipeline to classify patient medical conditions from drug reviews using vectorization techniques (BoW, TF IDF) and machine learning models.
- Achieved 89.2% accuracy using Passive Aggressive Classifier with TF-IDF, outperforming Naïve Bayes (82.2%). Evaluated models with precision, recall, and F1-score.

## ACHIEVEMENTS

NPTEL Certification in Ethical Hacking
Secured a position within top 30 teams in Zarothon – **Amrita Vishwa Vidyapeetham (Top 30 of 708)**
100 Days of Code: Complete Python Pro Bootcamp – **Udemy**
Full Stack Web Development – **DevTown**
Participated in Melinia Hackathon 2024 – **Coimbatore Institute of Technology**