



MUKESHKUMAR M S

AI Engineer

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📍 Coimbatore, Tamil Nadu, India 🌐 mukeshkumar-ms

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PROFESSIONAL SUMMARY

AI Engineer and B.Tech undergraduate with 2 published patents. Specialized in LLM optimization, RAG architectures, and Full Stack deployment. Proven ability to minimize query resolution times by 40% through custom NLP solutions. Proficient in Python, C, and Prompt Engineering for scalable AI applications.

EXPERIENCE

08/2025 – Present
Coimbatore, India

Eduspine

Tech Lead

- Directed agile development lifecycles for a technical team of 10+ members, ensuring the delivery of 3 major product modules.
- Revamped backend architecture using Node.js, successfully handling a 200% increase in concurrent user traffic.
- Accelerated API response times by 5% through the implementation of aggressive caching strategies and database indexing.

06/2025 – 07/2025
Coimbatore, India

Adhoc Software

AI Intern

- Engineered and deployed an AI chatbot using NLP and Python, improving query resolution time by 0%.
- Formulated Machine Learning models for business forecasting, attaining 85% accuracy on test data.
- Partnered with a 5-member cross-functional team to embed AI modules into existing CRM systems.

EDUCATION

2023 – 2027
Coimbatore, India

B. Tech in Artificial Intelligence & Data Science

SNS College of Engineering

GPA: 8.5

2023
Coimbatore, India

HSC & SSLC

P.R. Sidha Naidu Memorial Matriculation Higher Secondary School

Score: 80%

TECHNICAL SKILLS

Programming Languages

Python, C, SQL

Tools & Cloud

AWS (Generative AI), Git,
Databricks, VS Code, Jupyter,
SQLite

AI & GenAI

Prompt Engineering, LLMS, RAG,
OpenCV, Scikit-learn, CNNs,
Pandas, NumPy

Web Technologies

HTML, CSS, Streamlit

CERTIFICATIONS & ACHIEVEMENTS

AWS Academy Graduate - Generative AI Foundations AWS Academy (Sep 2025)	Databricks Accredited Generative AI Fundamentals Databricks Academy (Aug 2025)	Gen AI & Python Certifications PrepInsta (Nov 2025)
Large Language Models & Image Magic with Gemini 2.5 Analytics Vidhya (Nov 2025)	Participated in Smart India Hackathon (Regional & National Level)	Facilitated technical bootcamps at Corporation HSS and Annai Violet School

PROJECTS

AI-Driven Adaptive Privacy Browser

Python, ML, Nodemailer

- Architected a privacy-focused browser incorporating phishing detection using Logistic Regression with TF-IDF.
- Secured 95% accuracy in detecting phishing threats across 1,000+ test URLs via real-time alerts.

Derma AI

Deep Learning, CNN, Image Processing

- Conceptualized a CNN-based model to detect skin diseases from user images with 92% validation precision.
- Orchestrated image pre-processing pipelines to ensure early diagnosis capability for healthcare applications.

AI-Based ERP System

Python, Django, SQLite

- Constructed an AI-driven ERP system streamlining inventory tracking for 500+ items and HR workflows.
- Minimized manual data entry errors by 70% through systematic validation and processing.

Streamlit Utility Suite

Streamlit, OpenCV

- Launched 3+ utility tools including a Face Detector (OpenCV), Task Manager (CRUD), and Photo Editor.