

SATHISH K

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PROFESSIONAL SUMMARY

AI Engineer specializing in LLM applications and RAG systems. Built 5 production-ready AI projects serving 100+ users with 90%+ accuracy. Proficient in Python, LangChain, OpenAI APIs, and vector databases. Strong expertise in prompt engineering, NLP, and deploying scalable ML applications. Passionate about building innovative AI products and eager to contribute in your company's AI initiatives.

EDUCATION

Sir Issac Newton College of Engineering and Technology <i>B.Tech in Artificial Intelligence & Data Science — CGPA: 7.5/10 Anna University</i>	Nagappattinam, Tamilnadu 2022 – 2026
• Relevant Coursework: Machine Learning, Deep Learning, NLP, RAG Systems, Linear Algebra, Statistics	

TECHNICAL SKILLS

Core Python: Functions, Class and Objects, Conditions, Data Structures (Lists, Dictionaries, Tuples)

Libraries: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn

ML: Linear/Logistic Regression, Decision Trees, Random Forests, K-Means, Metrics (Accuracy, Precision, Recall)

Deep Learning: Neural Networks, TensorFlow, PyTorch, CNNs, Transfer Learning

Modern AI: LLMs, Prompt Engineering, Hugging Face

Math: Linear Algebra, Statistics, Probability, Derivatives

Tools: Git, GitHub, Jupyter, Flask, Docker, SQL

PRODUCTION AI PROJECTS

DocuMind AI - RAG Document Intelligence <i>LangChain, ChromaDB, OpenAI</i>	2025
• Built RAG pipeline for multi-format documents achieving 90%+ answer accuracy with semantic search	
• Reduced document search time by 80% with intelligent context retrieval and source citations	
• Deployed with Streamlit and Docker, serving 100+ users with <3s response time	
CareerGPT - AI Career Platform <i>GPT-4, spaCy, NLP</i>	2025
• Developed resume parser with 95%+ accuracy and job matching system with 88% fit accuracy	
• Integrated GPT-4 for personalized learning roadmaps and interview question generation	
• Created interactive dashboard with skill gap analysis and salary benchmarking	
YouTube Video Summarizer <i>LangChain, FAISS, RAG</i>	2025
• Implemented RAG architecture with FAISS for semantic search with timestamp citations	
• Generated summaries with 85%+ comprehension accuracy across 10+ languages	
ATS Resume Analyzer <i>spaCy, GPT-3.5, TF-IDF</i>	2024
• Built resume parser with 96% accuracy and ATS scoring algorithm with visual analytics	
LinkedIn Post Generator <i>GPT-3.5, LangChain, NLP</i>	2024
• Engineered prompt templates with 92% user satisfaction and engagement prediction	

LEADERSHIP & IMPACT

Technical Workshop Coordinator <i>AI/ML Workshop Organizer & Mentor</i>	College 2023 – 2024
• Coordinated AI/ML workshops for 100+ students focusing on LLM applications and RAG systems	
• Mentored peers on project development, prompt engineering, and production deployment	

CERTIFICATIONS & RECOGNITION

Certifications: Machine Learning Specialization (Coursera), Deep Learning (Great Learning)

GitHub: 5 production projects with live demos and 100+ combined users

Recognition: ATS Resume Analyzer featured on LinkedIn | Technical writer