

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 Nagappattinam, Tamilnadu
B.Tech in Artificial Intelligence & Data Science — CGPA: 7.5/10 Anna University 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 | *LangChain, ChromaDB, OpenAI* 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 **13s** response time
CareerGPT - AI Career Platform | *GPT-4, spaCy, NLP* 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 | *LangChain, FAISS, RAG* 2025
• Implemented RAG architecture with FAISS for semantic search with timestamp citations
• Generated summaries with **85%+ comprehension accuracy** across 10+ languages
ATS Resume Analyzer | *spaCy, GPT-3.5, TF-IDF* 2024
• Built resume parser with **96% accuracy** and ATS scoring algorithm with visual analytics
LinkedIn Post Generator | *GPT-3.5, LangChain, NLP* 2024
• Engineered prompt templates with **92% user satisfaction** and engagement prediction

LEADERSHIP & IMPACT

Technical Workshop Coordinator College
AI/ML Workshop Organizer & Mentor 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