SANJAY K

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Career Objective

Eager to grow professionally in an innovative, future-focused environment while contributing to impactful projects.

Education

B.TECH IN AI & MACHINE LEARNING
KONGU ENGINEERING COLLEGE
CGPA: 8.35 / 10 | 2023-2027
HSC
VIDHYAA VIKAS MATRIC HR SEC SCHOOL
Grad. May 2023 | Per : 90.5
SSLC
VIDHYAA VIKAS MATRIC HR SEC SCHOOL
Grad. May 2021 | Per : ALL PASS

Areas of Interest

Full Stack

Machine Learning
GenAI

Skill

Languages	Java, Python
Web Tech	HTML, CSS, React
Database	SQL, MongoDB
Frameworks	Pandas, NumPy, Keras, Tf
Tools	Git, PowerBI,vercel
AI	Langchain,Langgraph

Acheivements

2025 - 1st Hackovate25 Hackathon

2024 – 2nd IBM-GenAi Hackathon
2025 - 1st Project Presentation KPR

Links

GithHub : sanjayk

Leetcode : sanjayrajk

LinkedIn : sanjayk

Leadership

Executive Member->Cloud user club(2024-25)
Executive Member->CSI (2023-24)

Experience

Aerele Technologies Intern| Software Developer
Aug 2025 – Oct 2025 | Tiruppur | Intern

- Developed an AI-powered quiz generator using Groq's LLaMA 4 for dynamic question generation, integrated with Google Forms for secure assessments.
- Implemented proctoring features including tab-switch detection, face tracking, and speech monitoring, with a full-stack architecture enabling teachers to assign quizzes, track performance, and manage results

Project

TICKET BOOKING CHATBOT FOR MUSEUM| Git| AI
- Developed a multi-platform AI chatbot for museum ticket booking using LangChain and LLaMA, enabling intelligent query handling and seamless interactions via WhatsApp and Web.
- Integrated Razorpay, OpenRouteService, and MongoDB for secure payments, route insights, and real-time booking management with automated confirmations and validation.
Tech Stack: Python, React, Flask, Chroma, MongoDB, OpenRouteService, Razorpay,LLaMA

AI-Powered Mock Interview Platform | Git | AI
- Built an AI-powered virtual interview simulator using LangChain and LLaMA for adaptive question generation, personalized feedback, and real-time performance evaluation.
- Integrated speech-to-text, face detection, and proctoring features to ensure interview authenticity, along with ATS-based resume checking, community discussions, and company insights extraction.
Tech Stack: React.js, Flask, MongoDB, LangChain, LLaMA, OpenAI Whisper, OpenCV, Python,Chroma

AI-Powered Photo Management Platform | Git | AI
- Built a full-stack facial recognition system using MTCNN and FaceNet (InceptionResNetV1) achieving 98% matching accuracy, with CLIP model integration for text-to-speech capabilities.
- Integrated Google Drive API with OAuth 2.0 for cross-folder photo search and tagging, and developed a Chrome Extension for instant face-based photo retrieval, improving search speed by 60%.
Tech Stack: React.js, Flask, MongoDB, MTCNN, FaceNet (InceptionResNetV1), CLIP, Google Drive API, OAuth 2.0, Python, Chrome Extension

EVENT MANAGEMENT | Git | FULL STCAK
- Developed a multi-role event management application for KEC College where students can view events, make Razorpay payments, and download certificates, while club members create events and book halls.
- Implemented role-based approvals and management, allowing club heads to approve events and admins to manage hall availability and oversee all event operations.
Tech Stack: MongoDB, Express.js, React.js, Node.js (MERN), Razorpay API, JWT