Venkata Kartheek Sanka

✉ venkatakartheeksanka@gmail.com | 📱 +91-93926-84602 | ⭘ GitHub | in LinkedIn | 🌐 Portfolio

SUMMARY

Computer Science student specializing in full-stack development and AI/ML applications, with proven expertise in building scalable platforms for multiple domains.

EDUCATION

Bachelor of Technology in Computer Science Engineering   Expected: May 2027
SRM University, Andhra Pradesh   CGPA: 9.0/10.0

WORK EXPERIENCE

Software Development Intern, *Infosys Springboard*   Aug 2025 – Oct 2025
- Built AI-powered Document-to-Podcast system using LM Studio and RAG architecture, converting PDFs/DOCs into audio content with intelligent Q&A chatbot for document querying (95% accuracy)

Research Intern , *SRM University AP*   Jun 2025 – Aug 2025
- Developing dual-LLM architecture for legal document analysis, improving query resolution accuracy by 35%
- Implementing RAG pipeline with LangChain to reduce response latency by 40% for real-time legal assistance

PROJECTS

Her-Haven - Women's Wellness Platform   GitHub
- Engineered AI wellness platform with 3D Therapy Avatar and NLP chatbot achieving 90% satisfaction across 200+ users using React.js, Node.js, Three.js, Python, Flask, TensorFlow, NLTK, MySQL
- Developed AI Law Bot providing legal guidance (85% accuracy) and encrypted community chat.
- Built personalized health tracking system generating monthly reports analyzing 15+ wellness metrics

SmartAgriPlatform - AI-Powered Smart Farming   GitHub
- Developed full-stack ML platform with 4 integrated models (crop recommendation, disease detection, irrigation optimization, and price prediction) using React.js, Node.js, Python, Flask, TensorFlow, MongoDB
- Engineered scalable microservices architecture with RESTful APIs and MongoDB, supporting concurrent users and reducing API response time by 45%

Real-Time Facial Recognition Attendance System   GitHub
- Built facial recognition attendance system with anti-spoofing liveness detection achieving 98% accuracy and reducing manual attendance tracking time by 80%.
- Developed automated notification system with time-slot based tracking and Excel export functionality for 200+ users

TECHNICAL SKILLS

Languages:	Python, JavaScript, C++, Java, SQL
Web Technologies:	React.js, Node.js (Express.js), Flask, Django, RESTful APIs, Tailwind CSS
Databases:	MongoDB, MySQL, PostgreSQL
AI/ML:	TensorFlow, LangChain, RAG, NLTK, NumPy, Pandas, OpenCV
Tools & Platforms:	Git, GitHub, Docker, Postman

ACHIEVEMENTS & CERTIFICATIONS

- Winner – GeeksForGeeks Hackathon, organized by SRM University   View on LinkedIn
- Runner-up – Andhra University AI Hackathon   View on LinkedIn
- 100 Days of Code: The Complete Python Pro Bootcamp   View Certificate