

DUNNA SAI SAGAR

Hyderabad, India | saisagardunna04@gmail.com | +91 6301051163
github.com/saisagardunna | linkedin.com/in/sai-sagar | Portfolio

PROFESSIONAL SUMMARY

Associate Software Engineer with hands-on experience building production-ready applications using Python (FastAPI, Flask) and React with TypeScript. Strong foundation in REST APIs, authentication, and scalable systems. Experienced in AI-driven products, workflow automation, and cloud infrastructure with proven track record in revenue-generating platforms.

EDUCATION

Bachelor of Technology in CSE (AI & ML)	2022 – Present CGPA:8.89%
Malla Reddy University, Hyderabad	
Intermediate Narayana Junior College	2020 – 2022 83.2%
SSC J.M.J English Medium High School	2007 – 2020 GPA: 8.0/10.0

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript
Backend: FastAPI, Flask, REST APIs, Authentication, API Design
Frontend: React, TypeScript, Hooks, State Management
AI/ML: Prompt Engineering, NLP, Resume Parsing, Conversational AI, CNN, Deep Learning
Database: MySQL, PostgreSQL
Automation: n8n, Webhooks, Twilio API, WhatsApp API, Telegram API
Cloud/DevOps: AWS (EC2, S3, EBS), Terraform, Docker, CI/CD
Tools: Git, Linux, Postman, VS Code, Streamlit

PROJECTS

Startup Business Platform – Revenue Generating	<i>React, TypeScript</i>
<i>Live: moores.vercel.app</i>	

- Developed production platform serving 10+ customers with 100+ orders delivered, generating consistent revenue
- Engineered comprehensive business rules and order workflows reducing processing time by 40%
- Architected scalable React codebase with TypeScript achieving 99% uptime across 500+ user sessions

AI Mock Interview Platform	<i>FastAPI, React, TypeScript</i>
<i>Live: ai-mock-interview-iota-wine.vercel.app</i>	

- Created full-stack AI interview platform supporting voice and text interactions with 10+ active users
- Integrated conversational AI logic generating 50+ adaptive follow-up questions per interview session
- Developed FastAPI backend handling 200+ API requests daily with 250ms average response time

AI Resume-Based Interview Bot	<i>Python, Streamlit, NLP</i>
<i>Live: interviewbot-e9fzdrte4s86agcbdfv2uz.streamlit.app</i>	

- Designed AI interview bot extracting 15+ key data points from resumes with 90% accuracy using NLP techniques
- Generated 30+ role-relevant technical and behavioral questions through advanced prompt engineering

AI Travel Planning Application	<i>React, Location APIs</i>
<i>Live: travel-eight-sooty.vercel.app</i>	

- Engineered location-aware app generating personalized itineraries for 10+ users using proximity algorithms
- Optimized visit routing reducing travel time by 30% through intelligent scheduling of 8+ daily attractions

Skin Cancer Detection System	<i>Python, CNN, FastAPI</i>
<i>GitHub: github.com/saisagardunna/cancer_detection</i>	

- Trained deep learning CNN model on 8000+ medical images achieving 92% classification accuracy
- Designed preprocessing pipelines processing images in under 2 seconds for real-time diagnosis
- Deployed FastAPI service with modular architecture handling 50+ daily inference requests

Workflow Automation & Cloud Infrastructure	<i>n8n, AWS, Docker, Terraform</i>

- Automated workflows delivering 1000+ monthly messages across Twilio SMS, WhatsApp, and Telegram channels
- Streamlined Excel data updates reducing manual processing time by 75% through webhook integration
- Provisioned cloud infrastructure managing 5+ AWS EC2 instances and 10+ Docker containers using Terraform

AI Recipe Generator	<i>React, AI</i>
<i>Live: recipe-generator2.vercel.app</i>	

- Launched AI-powered recipe application serving 10+ users with 1.5 second average response time
- Delivered structured cooking instructions with 95% user satisfaction through prompt-driven logic

CERTIFICATIONS

AWS Certified | Google AI/ML Internship | Deloitte Job Simulation | NPTEL | Python (U. Michigan) | Python (U. Penn)

LANGUAGES

English (Professional), Telugu (Native), Hindi (Fluent)