

MUDAVATH SANTHOSH

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EDUCATION

B. Tech - Artificial Intelligence and Data Science

ACE Engineering College, Hyderabad

Aug 2023 – Present

Expected Graduation: July 2027 | CGPA: 7.75

EXPERIENCE

AI Automation Developer (Freelance / Personal Projects) 2024 – Present

- Built end-to-end AI automation systems using LLMs (Google Gemini, Lang Chain), RAG architectures, and Deep Learning models (TensorFlow, PyTorch), achieving 40–70% reduction in manual processing across recruitment and data workflows.
- Engineered NLP pipelines for resume parsing, sentiment analysis, and entity extraction using Pandas, regex, and scikit-learn; integrated RAG for 35%+ improvement in context-aware query resolution.
- Deployed scalable solutions on Google Cloud and AWS, automating workflows with REST APIs, Gmail/Twilio integrations, and APScheduler — delivering production-ready AI agents used in real-world HR automation.

PROJECTS

IntelliHire Agent – AI-Powered Resume Screening Platform

- Architected an agentic resume parser and scoring system using Python, LangChain, and Google Gemini. Automated candidate ranking with hybrid rule-based + ML scoring (scikit-learn, Pandas), reducing screening time by 70%+.
- Built multi-format ingestion (PDF/DOCX/URL), RAG-enhanced evaluation, and automated communication via Gmail API/Twilio + APScheduler; added Streamlit dashboard for real-time recruiter insights.
- Designed modular, SaaS-ready framework supporting dynamic rules and multi-job pipelines — currently live and handling real candidate data.

Stellar Python Game – Full-Stack Interactive Gaming Platform

- Developed a responsive web gaming portal using Flask/FastAPI backend and HTML5/CSS3/JavaScript frontend; deployed on Vercel/Netlify with 99.9% uptime.
- Implemented Python-driven game logic with real-time multiplayer features and cross-device optimization.
- Achieved high user engagement through intuitive UI/UX and performance tuning (50%+ repeat usage in testing).

SKILLS SUMMARY

- Languages: Python, Java, C/C++, JavaScript, HTML5/CSS3
- AI/ML: LLM, RAG, NLP, Deep Learning, LangChain, TensorFlow, PyTorch, Scikit-learn
- Tools & Frameworks: Flask, FastAPI, Django, Node.js, Pandas, NumPy, Regex
- Cloud & DevOps: Google Cloud, AWS, Azure, Docker, Git/GitHub, REST APIs
- Others: Streamlit, Gmail/Twilio API, APScheduler, Firebase, Vertex AI

CERTIFICATION

- Oracle Cloud Infrastructure 2025 AI Foundation Associate
- Microsoft Certified: Azure AI Fundamentals (AI-900) – Mastered responsible AI, machine learning workloads, computer vision, NLP, and generative AI solutions on Azure