

Venkata Sai Tanishq Nalloju

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SUMMARY

Technical Program Manager who took healthcare billing from manual chaos to LLM-powered automation at scale, owning infrastructure, compliance, vendors, and cross-functional stakeholder alignment end to end.

WORK EXPERIENCE

Moative

June 2025 – Present

Member of Technical Staff

Chennai, India

- Led end-to-end roadmap and execution of an LLM-powered claims automation platform across **20** billing portals, cutting **120** hrs/week of manual biller work and reducing processing time by **50%**.
- Owned vendor relationships and internal tooling roadmap end-to-end, shipping a login/password reminder app that eliminated **99%** of credential disruptions across a **30**-person billing team.
- Shipped an agentic automation system integrating PDF parsing, multi-server maintenance, and real-time monitoring, replacing entirely manual workflows with a scalable LLM-powered pipeline.
- Worked directly with **5** industry veterans with **15+** years of healthcare billing experience and C-level stakeholders to dismantle and restructure processes that had gone unchallenged for years.

Agile Solutions

May 2022 – May 2025

Software Engineer (R&D)

Brazil(Remote, India)

- Delivered an AI Digital Twin model solution for healthcare, integrating **real-time patient monitoring**, which decreased clinical decision-making by **20%** and reduced patient wait times.
- Engineered a knowledge graph-based decision system, processing unstructured data at a 85% accuracy rate to enhance business intelligence pipelines.
- Led Swarm Generative AI development for autonomous decision-making, integrating fine-tuned models that cut manual processes by 70% and improved accuracy in business operations.
- Deployed a real-time Generative AI coaching system for customer service agents, leveraging STT/TTS and Whisper models to achieve 95% accuracy in performance insights.
- Built a low-code AI platform for agentic workflow automation, enabling rapid UI prototyping and reducing time-to-market by 50%.

Intern

Oct 2020 – Apr 2021

Agile Solutions

Remote

- Performed security analysis on SAP business logic, identifying critical vulnerabilities and contributing to remediation efforts to enhance system integrity.

CERTIFICATIONS & SKILLS

- **Certifications:** AWS Certified Developer – Associate, Google Cloud Certified Associate Cloud Engineer
- **Generative AI** - LLMs (OpenAI, LLaMa), Frameworks (LangChain, Llamaindex, Aider), RAG, RLHF, Fine-Tuning, Prompt Engineering
- **Machine Learning** - Transformers, TensorFlow, Scikit-learn, Spacy
- **Data Visualization & Analytics:** Plotly, Power BI
- **Databases** - MySQL, MongoDB, Neo4j, Chromadb, Weviate
- **Programming Languages** - Python, Javascript, Java, NodeJS
- **Cloud Platforms & Deployment** - GCP, AWS, Azure, Docker, Kubernetes

EDUCATION

K L University

May 2021

Bachelor of Technology, Computer Science and Engineering

India

- **GPA:** 9.0/10