# Venkata Sai Tanishq Nalloju

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## SUMMARY

Technical product manager with **4+** years of experience in AI and cloud. Led PoC, PoT & AI-driven innovations in healthcare, optimizing workflows & decision-making. Achievements include managing cross-functional teams to develop Swarm AI solutions that improved task efficiency by **70%**.

## WORK EXPERIENCE

**Agile Solutions**                                                                                              **May 2022 – Present**
**Technical Product Manager (R&D)**                                                                              Brazil(Remote)

- Defined technical **product vision**, aligning features with user needs and market opportunities, which minimized critical bugs (decreased by **40**%) and improved platform stability.
- Delivered a **low-code** platform for Agentic AI development, empowering product teams to rapidly **prototype** and iterate on business workflows, resulting in 50% faster time to completion.
- Led the creation of **AI-driven Digital Twin models in healthcare**, integrating **real-time patient monitoring,** which accelerated clinical decision-making by 20% **and** reduced patient wait times.
- Guided 2 teams in designing **Swarm AI solutions**, integrating AI agents for automation, reducing manual processes by 70%, and enhancing **decision-making** speed and accuracy for **business development**.
- Spearheaded the **migration** of legacy SAP and Oracle data and code, leveraging an automated migration tool into a custom **no/low-code builder**, which reduced migration time by **60**%.
- Enhanced Sakana AI's interface that supported **molecular pharmacology**, facilitating **AI-driven in-silico** experiments and improving analysis leveraging AlphaFold, resulting in **25**% more efficient data processing.
- Pioneered **data-driven decision models** using **knowledge graphs**, processing **unstructured data** with a 99% data quality score, and business intelligence pipelines.
- Pioneered a **Proof of Technology (PoT) initiative** leveraging **quantum computing (VQE)**; accelerated **biomedical interactions** and **personalized nutrition**, which decreased simulation time by 70%.
- Drove the adoption of **agile** methodologies across two **R&D** teams, conducting training sessions and mentoring junior engineers, leading to a **30**% increase in project delivery speed.

**Agile Solutions**                                                                                              **May 2021 – Apr 2022**
**Software Engineer (R&D)**                                                                                      Brazil(Remote)

- Designed and deployed a real-time coaching AI for customer service agents using **STT/TTS** and Whisper models, achieving a **95**% accuracy rate in identifying areas for improvement.
- Implemented **machine teaching** for a Latin America welfare housing project, incorporating job data and unstructured applicant information; minimizing manual efforts by **70**% for first time **loan** applicants.

## CERTIFICATIONS & SKILLS

- **Product & Strategy:** Roadmap Planning, Product Lifecycle Management, Agile Methodologies (Scrum, Kanban), Feature Prioritization, Market Research, Competitive Analysis, Business Strategy, Go-to-Market Strategy, Stakeholder Engagement, PoC/PoT/PoV Execution, MVP Development
- **Technical & Data Skills:** API Design & Integration, Data Analytics & Business Intelligence, User Research, Customer Experience (CX) Optimization, Wireframes & Prototyping
- **Tools:** Jira, Confluence, Figma, Miro, Power BI, SQL, Python, JavaScript

## EDUCATION

**K L University**                                                                                              **May 2021**
Bachelor of Technology, Computer Science and Engineering *(with specialization in AI)*                          *India*

- GPA: 9.0/10
- President of Software Engineering Associates Club | Teaching Assistant for 4 semesters