

Lanka Jaswanth Ram Sai

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Professional Summary

An emerging **AI Engineer** with a strong foundation in developing and implementing intelligent systems. Possesses hands-on experience in the complete machine learning lifecycle, from data preprocessing and model development to fine-tuning and deployment support. Recognized for a proactive attitude, a keen ability to grasp complex technical concepts quickly, and a passion for leveraging AI to solve challenging problems. Proficient in developing, tuning, and deploying AI-driven solutions using Python, machine learning, deep learning, and Large Language Models (LLMs).

Skills

The following is a categorized list of technical proficiencies and core competencies.

- **AI & Machine Learning:** AI Algorithms, Deep Learning, AI Model Training, LLM, Computer Vision, Natural Language Processing (NLP), Agentic AI, Tensorflow, Pytorch, Keras, Scikit-Learn, Open-CV, NLTK, Spacy
- **Languages & Databases:** Python, Core-JAVA, Enterprise JAVA, Javascript, C++, MYSQL, MongoDB
- **Frameworks & Frontend:** Flask, FastAPI, Streamlit, Django, Express.js, Angular, Node.js, Bootstrap, HTML/CSS
- **Tools & Platforms:** Git, Gitlabs, Azure DevOps, Docker, Postman, ActiveMQ, OLLAMA, Google Colab
- **Core Competencies:** RESTful APIs, Data Processing, Data Visualization, Mathematics & Statistics
- **Other Skills :** RESTful APIs, Mathematics & Statistics , Data processing , Data Visualization , Agentic AI

Projects

Text To Image Generation [*Tech Stack:* Python , Machine Learning , Django , Google Drive & Colab]

- Developed an machine learning model that takes the text as input and generate the image specific to the given input
- Uses Stable Diffusion Method For Best Accuracy and Efficiency

Task-manager[*Tech Stack:* MongoDB , Express.js, Angular, and Node.js]

- Project task management using the MEAN stack involves creating a web application that allows users to manage and track tasks efficiently.

NLP Text translation and sentiment understanding [*Tech Stack:* NLTK , Python , Deep Learning , Flask]

- Developed an NLP application in Google-Colab environment that understands the sentiment in text.
- Gives the translation that we want. Either in the same language or in the different language specified.

Chatbot using LLM [*Tech Stack:* Python , Hugging Face , Machine Learning Libraries]

- Developed chatbot using pre built LLM Lama model from Hugging Face and Fine-Tuned it specific task.

Database MCP with RBAC (MySQL & PostgreSQL): [*Tech Stack:* python , langchain , Hugging Face ,MySQL/Postgress,]

- Designed a **Model Context Protocol (MCP)** server to interface securely with **MySQL** and **PostgreSQL** databases. Implemented **Role-Based Access Control (RBAC)** to manage granular permissions, ensuring secure and efficient data retrieval for AI agents.

Education

- Parul University , Vadodara** **2021- 2025**
- Bachelor of Technology in computer science(Artificial Intelligence),Gujarat , India
- Narayana Jr Collage , Vijayawada** **2019-2021**
- Intermediate Education or Secondary Education , Andra Pradesh , India
- Chigurupati Sri Krishnaveni Global Talent School , Vijayawada** **2019**
- 10TH CLASS or primary education in CBSE , Andra Pradesh , India

Experience

This section details hands-on professional work in an AI-focused software development environment.

Intern • myOnsite Healthcare Pvt. Ltd. • December 2024 – May 2025

- Acquired practical skills in AI development , Python ,SQL , and many tools through comprehensive training.
- Built many AI automation systems and Python projects.

AI Engineer • myOnsite Healthcare Pvt. Ltd. • June 2025 – Present

- Contributed to the end-to-end AI/ML model lifecycle, participating in data gathering, cleaning, and preprocessing to ensure quality datasets for machine learning workflows.
- Developed, tested, and maintained software applications using Python, adhering to industry best practices and collaborating with senior developers to implement new features and resolve bugs.
- Applied software engineering best practices by writing and maintaining unit tests, using Git for version control, and preparing clear technical documentation to ensure code reliability.
- Collaborated effectively within a cross-functional Agile/Scrum team, participating in sprint planning, code reviews, and retrospectives to drive project success.
- Demonstrated a proactive approach to learning and problem-solving, rapidly grasping complex concepts to contribute positively to team projects and ongoing optimization efforts.