

Sasaank Aalla

AI Software Engineer

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PROFILE

Curious and driven AI Software Engineer passionate about exploring the possibilities of Artificial Intelligence and Data Science. Turning complex problems into smart, adaptive solutions and thriving on the belief that *"the best way to predict the future is to create it."*

EXPERIENCE

MOURI Tech Limited, Hyderabad, IN— Intern (Trainee)

May 2025 - August 2025

Actively developed seven real-time Generative AI solutions, with 5 distinct AI frameworks and utilized various technologies to deliver scalable, high-performance, open-source applications.

UKB IT Solutions Pvt Ltd, Hyderabad, IN— Intern (Developer)

September 2024 - December 2024

Designed five interactive and responsive dashboards as part of a team, using Power BI to support real-time analytics with enhanced business insights with 4+ visualization charts and 2 or more elaborate reports.

PROJECTS

Tariff Management Chatbot

May 2025 - August 2025

Built a Tariff Management Chatbot achieving 95%+ classification accuracy, automating tariff calculations and analyzing data from 12+ countries to recommend top sourcing options.

Emotion-Based Music Player

August 2024 - October 2024

Built a real-time emotion-based music player with 97% accuracy and personalized mood-based playlist recommendations with dynamic updation within 1.5 seconds reaction time.

Automated Accident Detection in Tunnels

April 2024 - June 2024

Implemented an Object Detection and Tracking System using Faster R-CNN to detect tunnel incidents like wrong-way driving and fire hazards with response time under 10 seconds.

EDUCATION

University of Cincinnati

2025 - Present

Master of Engineering in Artificial Intelligence

CMR Institute of Technology

2022 - 2025

Bachelor of Technology in Computer Science and Engineering (Data Science)

CERTIFICATIONS

PCAP – Certified Associate Python Programmer

PCEP – Certified Entry-Level Python Programmer

Microsoft Certified: Azure Data Engineer Associate

PUBLICATIONS

Artificial Intelligence Based Intelligent Internet Of Things Services - Published in International Journal of Research in Science and Technology

TECHNICAL SKILLS

Python Programming
Generative AI
Data Generalist
Git
SQL
AI Tools
System Architecture