

SUSMITHA NALLAGANCHU

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📍 Andhra Pradesh, India

🌐 SusmithaNallaganchu

OBJECTIVE

I'm a tech enthusiast with expertise in Python and GenAI. Currently, I'm diving into generative AI and prompt engineering, excited to explore the cutting-edge possibilities these technologies offer.

WORK EXPERIENCE

TCS

Systems Engineer

July 2022 - Present

Over 2 years of experience in Generative AI and AWS cloud services. Developed AI-driven Innovative solutions like Atomic News . Proficient in Python, AWS (Lambda, SageMaker, Bedrock, DynamoDB, S3, Event Bridge, EC2). Secured 2nd place in the Air Canada Aviation Hackathon with a GenAI-based solution.

EDUCATION

Sri vasavi Institute of Engineering and technology

Bachelor of Technology(CSE) - 8.0

June 2018 - May 2022

R.K Junior College

Board of Intermediate Education - 9.5

June 2016 - April 2018

ZPHS Chinapandraka

Board of Secondary Education - 9.2

June 2015 - March 2016

PROJECTS

Atomic News

An AI-powered competitor intelligence tool that automates news aggregation, summarization, and email delivery. It webscrapes competitor data using Google SERP in LangChain, filters recent news, processes text via AWS Bedrock Model for summarization, and delivers insights via AWS SES. Built using Python, with an automated scheduler for weekly updates.

ESG Genie

An AI-powered chatbot for Environmental, Social, and Governance (ESG) compliance. It retrieves answers from ESG-related databases and, if no relevant data is found, uses Exa Search to fetch information from the web. Designed to assist businesses in ESG reporting and compliance by providing accurate, real-time insights. for this one aswell

Intelligent MRO

A GenAI-powered solution designed to optimize Maintenance, Repair, and Overhaul (MRO) operations in aviation. It automates issue detection, predicts maintenance needs, and streamlines workflows using AI-driven insights. The system enhances aircraft turnaround efficiency, reduces downtime, and improves decision-making by leveraging historical maintenance data and real-time inputs.

SKILLS

- Generative AI
- Python
- AWS Services
- LLM's

CERTIFICATE

Associate Cloud Engineer Certification
Generative AI Fundamentals
Professional Cloud Architect

AWARD

Aviation Hackathon
Secured 2nd place in the i3 Aviation Hackathon by Air Canada for developing a GenAI-powered Intelligent MRO suite, revolutionizing aviation maintenance and repair.