

# Anees Saheba Guddi

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## EDUCATION

### San José State University, San Jose, CA, USA

Jan 2025 – May 2027

Master of Science in Applied Data Intelligence

GPA: 3.5/4.0

**Relevant Coursework:** Gen AI LLMs, Agentic AI, Machine Learning, Deep Learning, Big Data Algorithms, Distributed Systems, Scalable Data Platforms

### Visvesvaraya Technological University, Karnataka, India

Aug 2019 – Jun 2023

Bachelor of Engineering in Information Science and Engineering

GPA: 7.9/10.0

**Relevant Coursework:** Data Structures and Algorithms, Database Systems, Software Engineering

## SKILLS

**Generative AI & LLMs:** Gen AI APIs, Prompt Engineering, LangChain, LangGraph, Tool Calling, RAG, Vector Databases

**Machine Learning & Deep Learning:** Supervised/Unsupervised Learning, Neural Networks, Feature Engineering

**Programming & Frameworks:** Python, SQL, PyTorch, scikit-learn, NumPy, Pandas

**Data & Cloud Systems:** FastAPI, Docker, AWS (Sagemaker, EC2, S3), PostgreSQL, MongoDB

**Tools:** Git, Tableau, Jupyter

## PROJECTS

### Distributed Kayak Travel Booking System | FastAPI, Kafka, MySQL, MongoDB, Redis

Fall 2025

- Built a distributed travel booking system inspired by Kayak supporting search, booking, billing, and analytics for flights, hotels, and cars.
- Designed backend microservices using FastAPI, Kafka, and relational + NoSQL databases (MySQL, MongoDB, Redis).
- Developed an AI-powered recommendation service for personalized travel deals and real-time updates.
- Implemented scalable infrastructure and service communication for resilient, high-throughput operations.

### Airbnb Prototype with Agentic AI | LangChain, FastAPI, React, MySQL

Fall 2025

- Built a full-stack Airbnb-style platform with property listings, bookings, and secure authentication.
- Designed an Agentic AI Concierge using LangChain to generate personalized travel plans, recommendations..
- Integrated LLM-driven workflows with backend APIs for context-aware, goal-oriented user interactions.

### Multi-Agent Blog System | Ollama, Docker, AWS ECS, HTML/CSS/JS

Fall 2025

- Built a multi-agent workflow using Ollama LLMs (Planner, Reviewer, Finalizer) for automated blog content creation.
- Developed a web front-end for blog submission with HTML, CSS, and JavaScript, including JSON handling.
- Deployed it using Docker containers and AWS ECS, integrating lightweight local LLMs ('smollm:1.7b', 'Phi3:mini')
- Generated automated outputs including tags, summaries, and a publishable content package, showcasing integration of AI agents with cloud and web technologies.

### Stock Data ETL & Data Warehouse Pipeline | PostgreSQL, Docker, ETL, Dimensional Modeling

Spring 2025

- Built an ETL pipeline for stock market data using Python, integrating multiple sources and automating data ingestion.
- Designed a dimensional data warehouse in PostgreSQL for structured financial analysis and reporting.
- Implemented Dockerized workflows for reproducible deployments and efficient environment management.
- Developed analytics dashboards and SQL queries for stock trends, financial KPIs, and company-level insights.

## WORK EXPERIENCE

### Hewlett Packard (HP)

Bengaluru, India

#### Software Development Engineer

Jul 2023 – Aug 2024

- Implemented **rule-based chatbots** for Printer Customer Support to guide users through common troubleshooting
- Prepared and organized data from customer support transcripts and internal troubleshooting documents
- Performed basic text cleaning and keyword extraction to map user queries to predefined intents
- Built decision-based conversation flows using simple rules, conditional logic, and fallback responses
- Integrated chatbot logic with backend support APIs to fetch device status and recommended actions
- Conducted limited exploration with early LLM tools to assess potential improvements in response quality and coverage

### Pheuna Technology

Bengaluru, India

#### Software Engineer Intern

May 2022 – Aug 2022

- Designed RESTful APIs using Node.js and Express with Sequelize ORM for real-time event-driven systems
- Implemented Kafka producers and consumers for distributed message processing
- Built a cross-platform mobile dashboard using React and Ionic for real-time monitoring