

Tejas Shet

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EDUCATION

- **Dayanand Sagar Academy of Technology and Management** Bangalore, India
• *Bachelor of Engineering - Information Science; GPA: 7.75* Aug 2019 – May 2023
- **Courses:** Java, Python, Artificial Intelligence(AI)/Machine Learning(ML), Networking, DBMS, Amazon Web Services(AWS)

SKILLS SUMMARY

- **Languages:** Python, Shell Scripting
- **Frameworks & Libraries:** Flask, FastAPI, LangChain, LangGraph
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite
- **Cloud & DevOps:** AWS (EC2, S3, IAM, Bedrock), Docker, Kubernetes
- **Tools & Platforms:** JIRA, Milvus, Linux, macOS, Windows
- **Technologies:** REST APIs, Retrieval Augmentation Generation(RAG), Large Language Models(LLM)
- **Soft Skills:** Leadership, Public Speaking, Time Management, Event Management

EXPERIENCE

- **Torry Harris Integration Solutions** Mar 2024 – Aug 2025
Associate Software Engineer
 - **Gen-AI Development:** Enhanced GenAI-powered backend modules using Python, LangChain, and LangGraph, deploying 5,000+ vector embeddings via Milvus to Refined RAG pipeline accuracy and latency. Optimized embedding pipelines and chunking strategies, incorporated RESTful APIs, and deployed microservices on AWS using Docker and Kubernetes.
- **Torry Harris Integration Solutions** Sep 2023 – Mar 2024
Graduate Engineer Trainee
 - **ML Prototyping:** Built 3 supervised and unsupervised learning models achieving 88% accuracy, reducing prototype iteration time by 30%.
 - **Prompt Engineering:** Refined prompt strategies to raise response relevance by 15% and managed 3,000+ embeddings for proof-of-concept applications.

PROJECTS

- **Agentic DBA** Proactive Proposals for innovation driven sales
Jan 2025 – Aug 2025
 - **Predictive Analytics:** Designed a Generative AI core to predict storage capacity needs with 95% accuracy, reducing manual scaling by 55%.
 - **Dashboard Development:** Architected Python/AWS dashboards, boosting database efficiency by 35% through real-time metrics.
 - **Log Analysis:** Improved ML algorithms for log analysis, surfacing issues automatically and cutting downtime by 40%.
 - **RAG-Based NLP Chatbot:** Deployed an NLP chatbot using RESTful APIs, enabling natural-language metric queries and halving investigation time.
- **AI-Driven Asset Lifecycle Management** Energy Domain
Apr 2024 – Feb 2025
 - **Solution Automation:** Enhanced a Python–LangChain GenAI system to guide FSRs, improving resolution time by 45% and reducing escalations by 30%.
 - **Ticket Management:** Merged automated workflows in ServiceNow with RESTful API, optimizing task allocation and reducing ticket time by 30%.
 - **OCR Integration:** Implemented OCR on QR codes with 98% accuracy and AWS S3 batch processing for 10,000+ images.
 - **Multimedia Processing:** Constructed ML-driven audio/video processing to streamline retrieval and accelerate troubleshooting by 25%.
- **DimGen** Manufacturing and Supply Chain Domain
Sep 2023 – Mar 2024
 - **Dimension Extraction:** Enhanced a Python/CV GenAI solution to extract dimensions with 95% accuracy from 500+ diagrams monthly.
 - **Chunking Strategy:** Devised an NLP chunking approach that boosted diagram query speed by 40%.
 - **Chat Interface:** Built a Flask–REST API chat interface for model–number lookups, cutting retrieval time by 70%.
 - **Manual Access:** Expanded cloud storage integration for direct manual access, reducing support requests by 45%.

HOBBIES AND INTERESTS

- **Hobbies:** Numismatics, Listening to music, Watching podcasts
- **Languages:** English, Kannada, Hindi, Konkani

CERTIFICATIONS

- **AWS Academy Cloud Architecting - AWS Academy Graduate (Credentials)**