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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, AI/ML, Networking, DBMS, Web Development, AWS

# Skills Summary

* **Languages**: Python, Java, SQL, Shell Scripting
* **Frameworks**: Flask, FastAPI, LangChain
* **Tools**: PostgreSQL, MySQL, MongoDB, JIRA, Vector Database (Milvus), OCR, Docker, Kubernetes
* **Platforms**: Linux, macOS, Windows, AWS
* **Technologies**: API, AWS Services (EC2, S3), IAM
* **Soft Skills**: Leadership, Event Management, Public Speaking, Time Management

# Experience

## Torry Harris Integration Solutions

### Associate Software Engineer Mar 2024 – Present

* + **Vector Embeddings**: Generated and managed 5,000+ vector embeddings using Milvus for document retrieval,

improving accuracy by 12% and lowering query latency by 15%.

* + **Pipeline Optimization**: Streamlined embedding pipelines to boost throughput by 18% and enhance model response consistency.

## Torry Harris Integration Solutions

### Graduate Engineer Trainee Sep 2023 – Mar 2024

* + **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** IT Services & Sales Automation

### Jan 2025 – Present

* + **Predictive Analytics**: Designed a detailed Generative AI core to predict storage capacity needs, reducing manual

scaling efforts by 60%.

* + **Dashboard Development**: Architected and deployed interactive dashboards that improved database efficiency by 35% through real-time metrics visualization.
  + **Log Analysis**: Implemented an advanced log file analysis system to automatically detect and surface underlying database issues, enhancing proactive problem identification and reducing downtime by 40%.
  + **NLP Chatbot**: Deployed an agent-powered conversational interface, enabling stakeholders to retrieve database metrics via natural language queries, minimizing manual investigation by 50%.
* **AI-Driven Asset Lifecycle Management** Energy Domain

### Apr 2024 – Feb 2025

* + **Solution Automation**: Developed a Generative AI-driven system to guide field service representatives in diagnosing

product issues, improving resolution time by 45%.

* + **Ticket Management**: Integrated automated workflows in ServiceNow, optimizing task allocation and reducing ticket processing time by 30%.
  + **OCR Integration**: Enforced high-fidelity information extraction from QR codes with 98% accuracy using OCR, and orchestrated AWS S3 batch processing for 10,000+ images.
  + **Multimedia Processing**: Engineered robust audio/video content processing features to streamline information retrieval and accelerate troubleshooting by 25%.
* **DimGen** Manufacturing and Supply Chain Domain

### Sep 2023 – Mar 2024

* + **Dimension Extraction**: Detailed a Generative AI solution to extract manufacturing dimensions from complex diagrams

with 95% accuracy.

* + **Chunking Strategy**: Devised a sophisticated chunking approach to segment diagrams, improving query response time by 40%.
  + **Conversational Interface**: Built a chat interface that enables users to retrieve tool dimensions by model number, reducing lookup time by 70%.
  + **Manual Access**: Introduced a feature providing seamless access to product manuals within the app, enhancing usability for 200+ professionals.

# Hobbies and Interests

* **Hobbies**: Playing Cricket, Listening to music, Watching podcasts
* **Languages**: English, Kannada, Hindi, Konkani

# Certifications

* **AWS Academy Graduate: AWS Academy Cloud Architecting** [(Credentials)](https://www.credly.com/badges/5d305c27-1c68-4235-896e-2053163ad6d2/public_url)