

BALU GORAD

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PROFESSIONAL SUMMARY

AI/ML Engineer with 1.5 years of combined full-time and internship experience specializing in Generative AI, LLMs, RAG pipelines, and AI Agents. A 2025 B.E. CSE graduate with a 7.23 CGPA, skilled in Python, Machine Learning, NLP, Deep Learning, and AWS Cloud (Bedrock, SageMaker, EC2, Lambda). Experienced in building scalable AI products using FastAPI, LangChain, LangGraph, Qdrant, ChromaDB, and React, with strong knowledge of vector databases, data analysis, and full-stack implementation.

SKILLS SUMMARY

- **Languages:** Python, Javascript, SQL
- **AI/ML:** Generative AI, LLM, RAG, AI Agents, Machine Learning, Deep Learning, NLP, Data Analysis
- **Frameworks:** LangChain, LangGraph, TensorFlow, PyTorch, React.js, FastAPI, Streamlit, Gradio,
- **Libraries:** Pandas, NumPy, Hugging Face Transformers, Scikit-learn, Matplotlib, Seaborn, OpenCV
- **Databases:** MySQL, MongoDB, ChromaDB, Qdrant, Pinecone
- **AWS:** SageMaker, Bedrock, EC2, Lambda, ECS, IAM, S3, RDS, DynamoDB, OpenSearch, CloudWatch, VPC
- **Others:** Git, GitHub, Docker, CI/CD, API Development, Vercel, Render, Netlify

WORK EXPERIENCE

Data Analyst XDBS LINK	Jul 25 - Present
<ul style="list-style-type: none">○ Analyze large datasets using Excel, SQL, and Power BI to identify trends & support business decision-making.○ Prepare dashboards and research reports to provide actionable insights for clients and internal teams.○ Perform data cleaning, interpretation, and presentation to improve campaign performance and market strategies.	
AI & Data Science Intern Data AI Revolution LINK	Jun 24 – Jul 25
<ul style="list-style-type: none">○ Applied AI/ML, Gen AI, and RAG techniques to real-world projects, including a Hybrid Search Engine & Subtitle Generator.○ Authored 50+ technical articles on Generative AI, AWS AI services, and LLM applications for the Data AI Revolution platform.○ Explored LLM fine-tuning, vector DB, and retrieval-augmented generation to enhance model accuracy & semantic search performance.	
MERN Stack Intern Sahyadri Software's LINK	Jan 24 - Apr 24
<ul style="list-style-type: none">○ Gained hands-on experience in JavaScript, React.js, MongoDB, Express.js, and Node.js, strengthening full-stack development skills.○ Built and optimized React components, improving UI performance and interactivity.○ Gained experience in state management, React Hooks, and responsive design for modern web applications.	

PROJECTS

AI-Powered Resume Optimizer – OptiCV LINK	Python, FastAPI, LangChain, Langgraph, Groq LLM, KeyBERT, React, CSS
<ul style="list-style-type: none">○ Designed and deployed a full-stack AI application that analyzes and rewrites resumes to improve ATS (Applicant Tracking System) scores.○ Developed a responsive React.js frontend with file upload and result preview; integrated with a FastAPI backend for efficient asynchronous processing.○ Integrated LLMs for section-wise rewriting and dual LLM usage (one for rewriting, one for feedback), resulting in up to 40% higher ATS scores.	

DriveXpert AI – Car Customer Support LINK	FastAPI, Gradio, Ollama (LLaMA 3.2), Qdrant, Python
<ul style="list-style-type: none">○ Developed an AI-driven customer support system to automate car assistance using retrieval-augmented generation (RAG).○ Implemented a RAG pipeline with Ollama (LLaMA 3.2) to retrieve accurate answers from 10+ car model manuals.○ Integrated Qdrant vector database for high-performance semantic search and metadata-based filtering.○ Built a FastAPI backend to process user queries and deployed an interactive Gradio frontend for real-time AI responses.	

CERTIFICATES

AWS Certified AI Practitioner Foundational – AWS CERTIFICATE	<ul style="list-style-type: none">○ Validated expertise in AI/ML concepts, AWS AI services, and generative AI applications.
AWS Certified Cloud Practitioner Foundational – AWS CERTIFICATE	<ul style="list-style-type: none">○ Demonstrated knowledge of AWS cloud fundamentals, architecture, and best practices.
AWS Certified Machine Learning Engineer Associate – Udemy CERTIFICATE	<ul style="list-style-type: none">○ Proficient in ML workflows, model training, and deployment on AWS.
NPTEL – Database Management System Certificate CERTIFICATE	<ul style="list-style-type: none">○ Learned database design, SQL, normalization, and transaction management.