

SHETTY GAURAV JAGADEESHA

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Objective

Final-year Artificial Intelligence and Machine Learning student with industry experience. Passionate about solving real-world problems using Machine Learning, Generative AI, and Deep Learning techniques. Skilled in building intelligent applications integrating ML models into production backends.

Education

Alvas Institute of Engineering and Technology <i>B.E. in Artificial Intelligence and Machine Learning</i>	Nov 2022 – May 2026 CGPA: 7.85/10
Viveka PU College, Kota <i>PCMB (Physics, Chemistry, Mathematics, Biology)</i>	Jun 2020 – May 2022 Percentage: 85.3/100

Experience

Software Development <i>Accenture, Software Development Intern</i>	May 2025 – Present <i>Bengaluru, India</i>
– Collaborated with backend engineering and AI teams to enhance the accuracy and contextual relevance of LLM-generated outputs through prompt engineering, retrieval augmentation, and feedback-driven refinement. – Worked on data preprocessing pipelines for transforming semi-structured inputs into clean, queryable formats simulating real-world technical documentation workflows. – Contributed to backend API development, ensuring smooth interaction between ML models and client-facing services.	

Projects

Generative AI Assistant for Technical Documentation — LangChain, OpenAI API, Pinecone, Flask, React
– Developed a GenAI-powered chatbot capable of answering queries from technical manuals using Retrieval-Augmented Generation (RAG). – Ingested sample AMM data into a vector database (Pinecone) after chunking and embedding with Sentence Transformers. – Implemented agentic behavior using LangChain agents to route queries, validate responses against source data, and cite references improving trust and accuracy.

Automated Fault-Procedure Mapping — Python, Scikit-learn, Rule Engines

- Built a secure and scalable Node.js backend using Express 5 and modern libraries like helmet, bcrypt, and jsonwebtoken.
- Integrated PostgreSQL and Redis for efficient data storage and caching, with real-time communication via socket.io.
- Implemented file uploads and detailed logging using multer, express-rate-limit, and Pino.

Scalable Backend for Technical Data Services — Nodejs, Python, Machine Learning (Linear Regression)

- Built a secure, scalable backend to serve technical data APIs with authentication (JWT), rate limiting, and logging (Pino).
- Integrated PostgreSQL for structured data and Redis for caching frequent queries, improving response time by 40 percent.

Skills

Programming Languages: Nodejs, Postgres, React, MongoDB.

ML/DL/NLP: Regression, Classification, CNN, LSTM, LangChain, Embeddings, Prompt Engineering, Model Deployment, scikit-learn, PyTorch, Vector database(PineCone).

Cloud/DevOps: AWS, EC2.

Soft Skills: Leadership, Teamwork, Communication, Versatile, Enthusiastic, Problem Solver, Analytical, Pragmatic.

Achievements and Research

Speaker - Workshop on BlockChain: Delivered Basics of BlockChain to College Students.

Finalist - TCS TechBytes: Selected among top 3 from 800 students in the college.

Solved 150+ problems on Leetcode.

Certifications

- * Joy of Computing Using Python
- * Cloud Computing – NPTEL
- * Google Cloud Foundation Course - NPTEL
- * BlockChain Technology -NPTEL