

YASH A. GUNJAL

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Education

MIT Academy of Engineering

Bachelor of Technology in Computer Science, CGPA: 9.22

August 2022 – June 2026

Pune, Maharashtra

Relevant Coursework

- Artificial Intelligence
- Machine Learning
- Data Analysis
- Data Visualization
- DBMS
- Bash Scripting
- Operating Systems
- Cloud Computing

Experience

BTD Service India | Software Development Engineer Intern

March 2025 – Present(paid)

- Data Analysis:** Conducting data-driven insights and optimizations.
- OCR Engineering:** Developing optical character recognition (OCR) solutions for automation.
- Cloud & Database Engineering:** Managing cloud infrastructure and optimizing database performance.

Traffic Buddy PCMC WhatsApp Reporting System | Lead Developer & Project Intern

Python, Twilio, MongoDB

Jan 2025 – Present

- Project Leadership:** Leading end-to-end development of an 80%-complete WhatsApp-based traffic reporting system.
- System Architecture:** Designing MongoDB for efficient issue processing and automated report routing.
- Chatbot & Media Handling:** Creating a user-friendly chatbot for seamless reporting with media uploads.-Automated Routing: Directing reports to relevant municipal departments.
- Dashboard Development:** Building dashboards for public departments to manage queries efficiently.
- Community Engagement:** Developing a volunteer framework for citizen-driven traffic management

Meta Craftlab Intern

June 2024 – August 2024

- Feature Ideation and Team Collaboration:** Contributed to feature development and coordinated with cross-functional teams to achieve project goals.
- Technical Project Execution:** Developed "Devstar," an online presentation tool, using Svelte, SvelteKit, and GitHub in a team environment.
- Continuous Skill Advancement:** Engaged in training on emerging technologies to stay updated with modern tools and best practices.

Acadmor Intern

July 2024 – August 2024

Software Engineer Intern - Remote

LA, California

- Immersive AI Experience:** Completed a two-month AI internship at Acadmor, gaining hands-on experience with advanced technologies..
- Mentorship and Collaboration:** Learned from expert mentors and collaborated with peers, broadening my understanding of AI.
- Future-Ready Skills:** This journey equipped me with skills to contribute to future AI innovations

Projects

Real-Time Data Engineering Pipeline for Market Analytics | Python, AWS, Kafka, Athena

Mar 2025-Present

- Built **end-to-end pipeline** for real-time stock market data, enabling timely analytics.
- Developed Python/Boto3 producer streaming market data to **Kafka** on **EC2**
- Engineered consumer service processing data to Parquet in S3, 65% faster queries.
- Configured **AWS Glue Crawler** for automatic schema discovery, reducing manual work 90%.
- Implemented **Athena** for **SQL** analytics without additional infrastructure.

Raw Material Consumption Optimization and Procurement Control <i>Python, SQL, Streamlit, predictive Analytics</i>		February 2025
<ul style="list-style-type: none"> Developed a data-driven inventory management solution to minimize excess stock and optimize raw material usage based on sales projections.. Built an AI/ML model to forecast demand trends from sales data, reducing overstock by 30% and procurement costs by 20%. Implemented a Streamlit dashboard for real-time inventory analysis and automated purchase recommendations using SQL queries.. Improved decision-making with AI-driven insights, reducing order processing time by 40% and enhancing procurement efficiency. 		
AI Law ChatBot <i>Python, Flask, NLP, SQLite</i>		September 2024
<ul style="list-style-type: none"> Developed an AI-powered legal chatbot using Flask, NLP models, and SQLite, enabling automated responses to legal queries with a knowledge-based retrieval system. Integrated natural language understanding (NLU) with intent classification models, improving response accuracy by 35% and enabling faster query handling. Built a real-time query interface with Flask routes, optimized using text pre-processing techniques, enhancing chatbot performance and user experience. 		

Extra Curricular

Mozilla Club		Jan2025 – Present
<i>Co-ordinator</i>		<i>Pune, Maharashtra</i>
<ul style="list-style-type: none"> Oversee a community of 30+ members, organizing workshops and events to drive hands-on training in GitHub, Docker, and Jenkins. Open-Source LLM Contribution: Actively contributing to a newly initiated project for space-related data under the AI-Viswaguru program through a club initiative. 		

Achievements

Cavista Hackathon 2025 First Runner-Up (₹50,000 Cash Prize) Organized by Cavista Technologies	February 2025
Girlscript Datathon Second-place Winner (1500 Cash Prize) <i>National Event by Girlscript MITAOE</i>	March 2024

Certificates

Databases and SQL for Data Science <i>Coursera, IBM</i>	Jan 2025
Supervised Machine Learning: Regression and Classification <i>Coursera, Stanford,DeepLearning.ai</i>	Dec 2024
Introduction to Machine Learning <i>IIT kharagpur</i>	Sep 2023