

# 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.

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

Extra Curricular

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

Achievements

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

Certificates

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