

# YASH KATARIA

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## SUMMARY

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Pre-final year IT student at VIIT Pune with hands-on experience in AI, machine learning, and full-stack development. Experienced in building production-grade AI applications, open-source contributions, and government-sponsored ML projects. Seeking opportunities to apply strong problem-solving skills and system-building mindset in impactful engineering roles.

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, HTML5, CSS3

**Web Frameworks:** Django, React.js, Flask

**Design/UI Tools:** Tailwind CSS, Figma, Shadcn UI, Bootstrap

**Databases:** SQLite, MySQL, Supabase

**Developer Tools:** Git, GitHub, VS Code, Postman

**Libraries:** OpenCV, dlib, DeepFace, Tkinter, numpy, pandas, matplotlib, PIL, requests, webbrowser

**Soft Skills:** Problem Solving, Quick Self-Learner, Adaptability, Collaborator

## EXPERIENCE & OPEN-SOURCE

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**AI Developer Intern** — *OpenxAI (BlockseBlock Labs)*

**Aug 2025 – Sep 2025**

[Open-Source Accelerator Repo](#)

- Developed AI applications including **ContactEase** (OCR-based contact extraction) and **PocketPulse** (NLP-driven finance tracking).
- Contributed UI/UX improvements and modular features to a production-grade open-source accelerator codebase.

**AI & ML Trainee (Capstone)** — *SmartBridge* — *NASSCOM* — *MeitY*

**Jan 2025 – Mar 2025**

[PMSM Temperature Prediction](#)

- Built an ML-based Flask application to predict PMSM rotor temperature using real-time operational parameters.
- Trained and evaluated Linear Regression, Random Forest, and SVM models; deployed the best-performing model.

## PROJECTS

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**Argument Cartographer – AI Truth Mapping Platform** — [Live Link](#) | [GitHub](#)

**Tech Used:** Next.js, TypeScript, Google Genkit, Gemini Models, Python, Firebase, Firecrawl, Twitter APIs

- Built an agentic AI system that decomposes complex topics into structured argument maps using live web data and public discourse.
- Implemented logical fallacy detection and credibility scoring to verify claims against real-time, multi-source evidence.

**EasyNOC – Academic NOC Automation System** — [Live Link](#) | [GitHub](#)

**Tech Used:** Python, Django, Tailwind CSS, Firebase, JavaScript

- Developed a full-stack system to digitize and automate NOC workflows with role-based access and digital approvals.
- Integrated real-time notifications and status tracking to significantly reduce manual processing delays.

**Delta Platform – Six Sigma Analytics Dashboard** — | [GitHub](#)

**Tech Used:** React, TypeScript, Node.js, Supabase, Recharts, REST APIs

- Built a full-stack Six Sigma DMAIC analytics platform with automated calculation of DPMO, Sigma Levels, and process metrics.
- Designed interactive dashboards for performance monitoring, anomaly detection, and operational insights.

EXTRACURRICULAR ACTIVITIES

Selected among **Top 300 teams (Stage 2)** out of **67,000+** registrants in the **OpenAI × NxtWave GenAI Buildathon** for developing *The Argument Cartographer*.

**Shortlisted Finalist** in the **Smart India Hackathon (Internal Round)**; competed in multiple national and regional hackathons, reaching final stages and securing a **runner-up** position.

**Active Member, GeeksforGeeks Club (Operations Domain)** — co-organized technical events and workshops for over **1 year**.

EDUCATION

<b>Viswakarma Institute of Information Technology, Pune</b> <i>Bachelor of Information Technology</i>	<b>Jul 2023 – May 2027 (Expected)</b> <i>CGPA — 8.05</i>
<b>Ashok Vidyalaya and Jr. College</b> <i>Higher Secondary Education (Grade I)</i>	<b>Jun 2021 – May 2023</b>
<b>Mahaveer English Medium School</b> <i>Secondary School Certificate (SSC)</i>	<b>Jun 2020 – May 2021</b> <i>Percentage — 92.2%</i>