

JASH RASHNE

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EDUCATION

UNIVERSITY OF MUMBAI

Bachelor of Engineering in Computer Engineering

Cumulative GPA: 9.2/10

Relevant Coursework: Data Structures and Algorithms; Operating Systems; Database Management; Software Engineering

Mumbai

Expected May 2027

ST. XAVIERS COLLEGE

Higher Secondary Certificate (HSC) – 87.5% | Majored in Science (Math & IT)

Mumbai

Aug 2021 – May 2023

WORK EXPERIENCE

COGVERGE [\(link\)](#) [\(video\)](#)

Software Developer Intern

Mumbai

Dec 2024 – Present

- Built **~50% of the Next.js and TypeScript** front end, improving **page load time by 35%** and enhancing core web vitals.
- Developed reusable, responsive UI components and state management patterns to support scalable, user-facing features.
- Engineered **Flask-based APIs** and **modular backend architecture** to optimize data access, reducing **server costs by 50%**.
- Deployed with **AWS EC2, DynamoDB, and Docker**; ensured **99.9% uptime** and scaled to **100K+ API calls/day**.

PROJECTS

IDEALAB - COLLABORATIVE IDEATION WORKSPACE | Personal Project [\(link\)](#) [\(video\)](#)

Mar 2026

- Built **stateless FastAPI + MongoDB** backend with **23 APIs** across **5 modules**.
- Engineered **JWT WebSocket fan-out** with **14 events** for real-time, multi-client state sync.
- Structured **6 repositories + 6 services** for **scalable, fault-isolated, maintainable** backend architecture.

ReEARTH - WASTE MANAGEMENT PLATFORM | Personal Project [\(link\)](#)

May 2025

- Engineered a **React + Firebase** web app with **role-based flows** for User, Vendor, NGO, and Admin modules.
- Built **async data pipelines** with **Firestore/Storage** for waste uploads, status updates, and transaction tracking.
- Integrated **Gemini Vision and jsPDF** to deliver AI waste classification and **automated reward** certificate generation.

ACTIVITIES

TSEC CODECELL

Senior Committee Member

Mumbai

Apr 2024 – Mar 2026

- Orchestrated TSEC Hacks with **1700+ participants**; launched competitive coding and mini-event series for **250+ students**.
- Led **development of utility web tools** for logistics and event automation used by all event attendees.

DEVS CLUB TSEC

Web Team Member

Mumbai

Mar 2024 – Apr 2025

- Revamped official TSEC website in **Next.js + TypeScript**; automated government services used by **2200+ students**.
- Managed UI/UX design, feature rollouts, and technical coordination with **1000+ daily active users**.

ADDITIONAL

Technical Skills: C, Java, Python, JavaScript, React.js, Next.js, Node.js, MySQL, PostgreSQL, MongoDB, AWS (DynamoDB, EC2, S3), Microservices, REST APIs, SCRUM/Agile Methodologies, Unit Testing

Awards: 7x Hackathon Winner (incl. NIT Raipur), 1st – Aduro Robotics @ IIT-BHU, Best CP Performer – Technothon (DYPU), Semester 1 University Topper, Best Performer in Low Level Design & System Architecture – Codesummit 2.0 (DYPU), 2nd Position in CodeQuest Competitive Programming Contest

Certifications & Training: Machine Learning Specialization (Stanford, 2025)

Volunteering: Robin Hood Army (Teaching 100+ kids weekly, served 15000+ meals), Parisar Asha (STEM educator), St. Xavier's College (Volantus Technical Sub-Head, Malhar Fest AV Lead), ConnectFor - Artshala (12+ hrs, creative classroom revamp)