

Jay Samir Shah

Backend Engineer knowledgeble in scaleable systems

EDUCATION				
Year	Degree	University/Board	Institute	/ CGPA
Pursuing	BTech in Computer Science and Engineering	Ahmedabad University	School of Engineering and Applied Science	3.15/4.00 CGPA
2023	HSC (Science, Mathematics)	CBSE	TATACHEM DAV Public school	91.2 %
2020	SSC (Mathematics, Advance)	CBSE	TATACHEM DAV Public school	94 %
EXPERTISE/AREA OF INTEREST				
• Backend Development, Scalable systems.				
ACHIEVEMENTS AND ACCOMPLISHMENTS				
Hacakathon Winner, First Position Won Odoo x Amalthea Hackathon, IIT Gandhinagar 2025 Hackathon. Post link				Nov'25
Hacakathon Winner, First Position Won Odoo x Amalthea Hackathon, IIT Gandhinagar 2025 Hackathon. Post link				Jan'25
Hackathon, Top 5 Ranked 5th out of 171 teams in the NASA Space Apps Challenge 2024 Regionals				Oct'24
INTERNSHIPS				
Tata Chemicals Limited Software Intern Developed Live Graph Scrapers, which are now used by employees. And participated in brainstorming sessions				July'25-Aug'25
PROJECTS				
Team Project Programming club's official website Summary: Architected a scalable backend using a 4-layer design to ensure clear separation of concerns and maintainability. Built support for 100+ concurrent users, handling 14k+ visits and 400k+ edge requests. Implemented JWT-based authentication with role-based access control across 15+ protected endpoints and 22+ API modules. Delivered a comprehensive test suite with 385 tests across 22 suites, achieving a 100% pass rate for all backend APIs. Skills Used: System Design, Database Design, Teamwork, Leadership Team Size: 7 Key Outcomes: The website recieved over 14000 views, Handled more 100+ concurent users. Became a place where the clubs milestones are recorded. Live Demo				Jun'25 - Jul'25
Paste-bin Application Summary: Built a scalable Pastebin-style application using Java, Spring Boot, and MongoDB, supporting 1M+ users with secure encryption, automated expiration, SOLID-based architecture, and multi-layer caching for high-performance retrieval. Skills Used: Database design, scalable system architecture, caching strategies, distributed systems concepts (CAP theorem), SOLID principles, performance optimization Team Size: 1 Key Outcomes: Delivered a scalable, secure paste-bin system supporting 1M+ users, with fast retrieval, reduced database load, and automated data cleanup for optimized performance. GitHub				June'25-June'25
POSITIONS OF RESPONSIBILITY				
Secretary at the Programming club Served as Secretary of the Programming Club, leading the organisation of major technical events at the university level.				Jun'25 - Pursuing
CO-CURRICULAR ACTIVITIES				
Sm				Sep'25-Sep'25
TECHNICAL SKILLS				
System Design, Database Design, Teamwork, Leadership				
ONLINE PROFESSIONAL PRESENCE				
Leetcode.com		leetcode.com/u/bluetwobblue/		
codeforces.com		codeforces.com/profile/LightWave		
codechef.com		www.codechef.com/users/iceball		
Github.com		github.com/Jay-1409		
PERSONAL DETAILS				
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