

Preview

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Resume

Jay Samir Shah

Backend Engineer knowledgeable 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
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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 received over 14000 views, Handled more 100+ concurrent 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
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CO-CURRICULAR ACTIVITIES

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TECHNICAL SKILLS

System Design, Database Design, Teamwork, Leadership

ONLINE PROFESSIONAL PRESENCE

Leetcode.com	leetcode.com/u/bluetwoblue/
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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