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/bluetwoblue/
codeforces.com	codeforces.com/profile/LightWave
codechef.com	www.codechef.com/users/iceball
Github.com	github.com/Jay-1409

PERSONAL DETAILS

Email: jay.s7@ahduni.edu.in | Phone: 9723557662 | Location: Ahmedabad, Gujarat