

Lakshya Jain

B.Tech in Computer Science and Engineering
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GitHub | LinkedIn | Codeforces

EDUCATION

Degree/Certificate	Institute/School	CGPA/Percentage	Year
B.Tech Computer Science	IIT Jodhpur	8.96/10	2023-2027
Senior Secondary (PCM)	R.S. Memorial International School	94.6%	2021-2022
Secondary	St. Anne's Sr. Sec. School	95.4%	2019-2020

EXPERIENCE

- Founding Engineer - Website Link** Jan 2025 - Apr 2025
2nd Swap - Node.js, Express, MongoDB, REST APIs, OAuth 2.0, Socket.io
 - Built **backend infrastructure** with 12+ RESTful endpoints and **secure authentication**, enabling real-time updates with **<200ms latency** for 50+ items and 25+ active users.
 - Created an **OCR and OAuth verification system** that reduced manual review by 20% while maintaining 99.8% platform uptime.
- SDE Intern, Android Development - Playstore Link** Dec 2024 - Apr 2025
PMStack - Flutter, Firebase, Dart, Google Analytics, Crashlytics, Figma
 - Developed **mobile UI components** with Flutter and integrated analytics for user insights; resolved **critical bugs** across Android versions through Crashlytics monitoring achieving **120+ beta users** within the first month of beta release.
 - Boosted app performance through code restructuring and implementing **architecture refinements like modularity**; resolved **163 technical issues** in frontend and backend systems.

PROJECTS

- LIBR - GitHub** Feb 2025 - Apr 2025
Go, Docker, PostgreSQL, Distributed Systems, BCB Protocols, DHT, Cryptography, Cloud NLP
 - Constructed a **decentralized forum** with quorum moderation and **content filtering**; evaluated **Byzantine fault tolerance** across 10+ nodes with diverse OS configurations.
 - Crafted a **multithreaded architecture** with DHT logic for **99.9% uptime**; integrated with BlockShare via **clean APIs** for distributed accountability.
- GenCLI - GitHub** May 2024 - Jun 2024
Go, Cobra, Gemini API, Vector Embeddings, Parallelization, Terminal UI
 - Streamlined **file indexing** from 19.2 to 1.2 seconds/file using **concurrent algorithms** and **memory-efficient batching**, yielding **16x faster throughput**.
 - Built a **semantic search system** with vector embeddings for sub-second queries across 50+ files; wrote **maintainable code** with solid test coverage.
- Travel Companion App - PlayStore** Jan 2024 - Mar 2024
Flutter, Firebase, Figma, Mobile Development, UX/UI Design
 - Led development of a **campus mobile app**, growing to **360+ registered users** with **5-star ratings** through UX refinements and agile practices.
 - Constructed a **real-time request system** with 7 core features, delivering **sub-1s responses** for concurrent users with **reliable error handling**.

SKILLS

- Programming Languages & Technologies:** Go, C++, Python, JavaScript, Dart, Node.js, Express.js, React.js, Flutter
- Databases & Infrastructure:** MongoDB, PostgreSQL, Firebase, Docker, Git, CI/CD, Distributed Hash Tables (DHT)
- Cloud & System Architecture:** Microservices, Concurrency, System Design, Firebase Hosting, OAuth 2.0
- AI & Development Tools:** Vector Embeddings, Semantic Search, NLP, Gemini API, GPT Integration, Figma, Postman, Trello

COURSEWORK

Mathematics for Computing	A	Introduction to Computer Science	A*
Calculus and Linear Algebra	A	Data Structures and Algorithms	A
Probability, Statistics & Stochastic Processes	A-	Software Engineering	B

ACHIEVEMENTS

- Guided team to **Gold Medal** in Bug Bounty '25 by addressing **security vulnerabilities** with **methodical testing**.
- Secured **1st place** in Pitch It at Initio '23 with a **compelling business plan** and **strong coordination**.
- Added value to **18+ repositories** through **1700+ commits**, demonstrating **commitment to quality code**.

CAMPUS INVOLVEMENT & LEADERSHIP

- **Core Member**, DevUp Labs, IIT Jodhpur *Mar 2025 - Present*
 - Shipped **mobile apps with 200+ users** that directly addressed campus needs, while contributing to 10+ open-source repositories with peer code reviews.
- **Assistant Head**, Prometeo X Econclave (Tech Fest), IIT Jodhpur *Jan 2025 - Feb 2025*
 - Led **cross-functional partnerships** with industry leaders, coordinating **technical workshops** and organizing case competitions that secured Rs. **80,000+ in prize funding**.
- **Senior Executive**, Entrepreneurship cell, IIT Jodhpur *Jun 2024 - Apr 2025*
 - Orchestrated the Vandre event through **data-backed strategic planning**, optimizing resource allocation to achieve **500% revenue growth** and deliver Rs. **2,28,153 in profit** from Rs. 4,19,338 total earnings.
- **Student Guide**, Student Wellbeing Committee, IIT Jodhpur *Jun 2024 - Mar 2025*
 - Spearheaded mentorship program for **11 first-year students**, implementing **data-driven guidance strategies** that increased retention rates and enhanced academic performance metrics.