

AARAV SHARMA

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Career Objective

Motivated and detail-oriented Computer Science & Engineering undergraduate with a strong foundation in software development, data structures, and algorithms. Aspiring to leverage my technical skills in full-stack development and machine learning to contribute effectively to innovative projects at Synapse, while continuously growing my professional capabilities.

Education

Degree/Course	Institution	Board/University	Year	CGPA / %
B.Tech (CSE)	Vertex Institute of Technology	AKTU, Uttar Pradesh	2023 – 2027	9.24 CGPA
Class XII	Apex Senior Secondary School, Noida	CBSE	2023	95.20 %
Class X	Apex Public School, Noida	CBSE	2021	96.40 %

Internships

Nexa Solutions Bangalore, Karnataka
Software Engineering Intern June 2026 – July 2026

- Designed and developed a scalable REST API for the inventory management module, increasing data throughput by 25%.
- Optimized PostgreSQL database queries, reducing query latency by 40% during high-traffic periods.

Meridian Tech Noida, Uttar Pradesh
Frontend Developer Intern Dec 2025 – Jan 2026

- Created responsive user dashboard interfaces using React.js and CSS3, improving user engagement by 15%.
- Enhanced application load time by 20% by implementing code splitting and lazy loading of React components.

Projects

Vertex Cloud | Secure File Sync Utility Go, gRPC, Protobuf, Docker

- Developed a CLI-based file synchronization utility in Go, achieving secure multi-client real-time synchronization.
- Implemented custom delta-compression, reducing network bandwidth usage by 35% during large file updates.

Synapse ML | Automated Resume Parser Python, Flask, spaCy, PostgreSQL

- Built an end-to-end NLP pipeline using spaCy to extract contact details, skills, and education from PDF resumes.
- Designed a lightweight Flask web application to allow HR teams to upload batch resumes and view parsed records.

Technical Skills

Programming Languages: Java, Python, C++, SQL, JavaScript, HTML5/CSS3
Frameworks & Libraries: React.js, Node.js, Express.js, Flask, Spring Boot
Databases & Cloud: PostgreSQL, MongoDB, Redis, Docker, AWS (S3, EC2)
Core Computer Science: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks

Achievements & Leadership

- Hackathon Winner:** Secured 1st rank in Vertex Hackathon 2025 among 150+ participating teams.
- Competitive Programming:** Rated 1650+ (4-star) on CodeChef with 500+ solved algorithmic problems.
- Smart India Hackathon 2025:** Selected as a finalist under the Ministry of Education's problem statement.
- Leadership:** Serving as Joint Secretary of the Computer Science Society at Vertex Institute of Technology.

Personal Details

Date of Birth: August 14, 2005 **Languages:** English, Hindi, Punjabi
Father's Name: Mr. Ramesh Sharma **Nationality:** Indian
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