

# Kartik Srivastava

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## EDUCATION

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**Jaypee Institute of Information Technology, Noida, Uttar Pradesh**

2021-2025

*Bachelor of Technology in Computer Science and Engineering*

*Current GPA: 9.1/10*

**St. Clare's Sr. Sec. School, Agra**

2019

*Schooling 10+2*

*Score: 475/500*

## SKILLS

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**Languages:** JavaScript, TypeScript, C++, HTML, CSS, Python, Solidity

**Libraries:** React.js, Material-UI, Bootstrap, Animate.css, Ether.js, jQuery

**Frameworks:** Node.js, Next.js, Express.js, Tailwind CSS, Hardhat, Thirdweb

**Databases:** MongoDB, MySQL, PostgreSQL

**Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Object Oriented Programming, Computer Organisation and Architecture, Introduction to Blockchain and Smart Contracts, Agile Methodologies

## WORK EXPERIENCE

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**Software Engineer Intern** | *Serve and Volley Technologies Pvt. Ltd.*

June 2024-July 2024

- Augmented the design and build of a full stack application using Next.js, React.js, Vercel and AWS with a streamlined CI/CD process
- Led the conversion of existing codebase to Next.js framework and utilising SSR and SSG, improving speed index to less than 1.2 seconds and reducing response times by up to 40%
- Owned and designed the data flow, model schemas, and APIs for embedded contract signing for users and integration of Gemini 1.5-PRO.
- Contributed to the integration of AWS S3 and MongoDB Cluster for scalable storage
- Productionized API routes to query data at scale and optimized 60% of the existing server routes into server actions reducing latency

## PROJECTS

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**Subject Mate** | *Next.js, React.js, Tailwind CSS, PostgreSQL*

- Demo: [Subject Mate](#)
- Engineered a fullstack application enabling college students to exchange electives for the upcoming semester, facilitating seamless connections among peers
- Utilized Next.js and PostgreSQL via Vercel to efficiently manage and support a user base of 3000+ every 6 months
- Integrated Tailwind CSS for mobile-responsive styling, reducing loading times by 40%

**Decentralised File Sharing System** | *Node.js, React.js, Ether.js, Hardhat, Solidity, Mocha, Chai*

- Demo: [Drive2.0](#)
- A Web3 crowdfunding DApp using Thirdweb SDK
- Utilised Solidity smart contracts to manage control over file access, enabling sharing, revocation of access, and ownership transfer
- Integrated IPFS via Pinata gateway, reducing smart contract size by 70% and optimising response time by 90%
- Testing and deployment methodologies with Hardhat and Mocha, ensuring the system's reliability

**Boom** | *Next.js, React.js, Tailwind CSS, Shadcn, Stream API, Vercel*

- Demo: [Boom App](#)
- A cloud-based video conferencing app with custom room creation and recording access features
- Integrated real-time video functionality using Stream API cloud services for scalability
- Implemented shadcn/ui to enhance UI consistency and development speed.

## OTHER ACHIEVEMENTS

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Solved 500+ questions on [Leetcode](#)