

# SOURIN SARKAR

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## EDUCATION

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**Computer Science & Engineering**, Lovely Professional University, Punjab

Aug 2020 - Present

- Bachelor of Technology in Computer Science and Engineering (Current: 7.15)
- Selected classes: Data Structures & Analysis of Algorithms, Web Development with React and Node JS, Database Management System, Operating System, Computer Networks

## TECHNICAL SKILLS AND INTERESTS

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### Languages

C++, JavaScript, TypeScript, SQL, HTML, CSS

### Software & Tools

MERN, React.js, Next.js, Redux, Node.js, Turborepo, Prisma, PostgreSQL, MongoDB, Mongoose, Postman, REST API, Linux, Git, Github, Figma

## EXPERIENCE

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**Sampurnakart (Jalandhar, PB) - Frontend Developer Intern**

Apr - May 2024

- Developed the frontend from scratch. Worked heavily on Typescript and built modular components end-to-end.
- Conducted thorough testing and debugging, resulting in a 99% reduction in reported bugs and a 30% increase in user satisfaction.

## PROJECTS

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**Sourin Sarkar**, Personal portfolio website ♦ [sourin.in](https://sourin.in)

- **Stack:** JavaScript, TypeScript, React.js, Tailwind CSS, Vercel.
- Created the frontend using React.js library along with proper state management by Context API. Prototyped on Figma.
- Implemented an interactive navigation bar featuring other pages and routes of the website.

**Fontground**, A font testing platform ♦ [fontground.sourin.in](https://fontground.sourin.in)

- **Stack:** JavaScript, TypeScript, React.js, Vite, Tailwind CSS, Vercel.
- Built a playground platform to test the look and feel of various fonts. Specifically built for creatives and web designers.
- The website is built with modern design styles and is responsive on most mobile devices.

**SPM Presentation**, Presentation Controller ♦ [spm.sourin.in](https://spm.sourin.in)

- **Stack:** Next.js, Vercel, Tailwind CSS.
- Created a presentation viewer and controller that can be used over the web.
- Implemented the controller which utilizes the mouse as a remote. Created component for slides and implemented its functionality from scratch. Not many have remotes, thus this is a 100x better approach.

## ACHIEVEMENTS

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**Binary Blitz Hackathon by CodingNinjas** (Top 65 teams out of 1200 participants)

Mar 2024

- Developed a personal finance management tool. Implemented it using: React.js, Node.js, Express.js and MongoDB.
- Implemented authentication system from scratch. Along with that added JWT to better protect user login data.
- Created a Calendar from scratch and mapped expenses of a day with the dates respectively. Deployed middlewares too.

**Postman API Fundamentals Student Expert**

Dec 2023

- Learned to manage various requests like GET, POST, PATCH, PUT, DELETE, HEAD, OPTION on Postman's dashboard.
- Worked with Postman Library API v2. Learned about Query Parameters, Path Variables, and the hierarchy of scopes.
- Created Collections and learned about Variables and URL semantics that makes it much easier to interact with APIs.

## CERTIFICATIONS

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**React JS by CodingSpoon**

Feb 2023

- Learned the library's implementation in building frontends using the concepts of props, Context API and Redux Toolkit.
- Created a few projects such as clock, password generator, color palette site and a sample info page to better understand and demonstrate the React concepts. Implemented React Router to achieve a SPA. And learned to write modular codes.