

# SARTHAK JOSHI

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## EDUCATION

<b>Bachelor of Technology - Computer Engineering</b>	(Expected) June 2026
<i>Pimpri Chinchwad College of Engineering - Pune University</i>	CGPA - 8.81
<b>Higher Secondary Certificate (HSC)</b>	March 2022
<i>Pratibha Junior College - Maharashtra State Board</i>	Percentage - 87.5%
<b>Secondary School Certificate (SSC)</b>	March 2020
<i>DIC's English Medium School - Maharashtra State Board</i>	Percentage - 92.4%

## EXPERIENCE

<b>SAS</b>	July 2025 – Present
<i>Software Engineering Intern</i>	<i>Pune, India</i>
<ul style="list-style-type: none"><li>Implemented a Sankey Layout using <b>React</b> and <b>Go.js</b> in the <b>SAS Cost &amp; Profitability Management</b> solution, streamlining cost flow visualization and simplifying user workflows.</li><li>Optimized state management and rendering to smoothly handle datasets of <b>100,000+ rows</b>, significantly improving performance and responsiveness.</li><li>Integrated unit tests across multiple modules in the application using <b>Jest</b> and React Testing Library.</li></ul>	
<b>PROJECTS</b>	

### Keypup | Next.js, MongoDB, Socket.io, TypeScript

- Developed a web-based **multiplayer** typing speed-test platform using Next.js, enabling up to **4 users** per room, supporting 3 distinct game modes with dedicated leaderboards to encourage competitive play.
- Visualized a real-time dashboard and results screen using **Chart.js**, displaying **8 detailed metrics** including WPM, Raw WPM, Accuracy, Missing, Extra, and correct/incorrect word counts, updated in real time.
- Designed the database using **MongoDB** with 3 different schemas to manage user profiles and analytics efficiently.

### MotoMaps | React, PostgreSQL, Node.js, Express.js

- Built a platform for sharing and discovering **road trips** with posts featuring interactive maps.
- Implemented a scalable PostgreSQL database on Neon.tech to store users, trip details, and up to **25 waypoints** per route while ensuring efficient data retrieval and scalability.
- Integrated **MapLibre** library to render maps and visualize detailed trip routes, enhancing user experience.

### DropUI | React, PostgreSQL, TypeScript, FastAPI

- Developed a React + FastAPI application that allows users to build fully functional, responsive websites through an intuitive drag-and-drop interface with a library of **50+ customizable components**.
- Leveraged **Gemini** to auto-generate new components and suggest UI/UX improvements, significantly accelerating website creation and fostering user creativity and productivity.
- Added **7+ features** (Preview, Deploy, Undo/Redo, etc.) to enhance workflow flexibility and user control.

## TECHNICAL SKILLS

**Programming Languages:** C, C++, JavaScript, TypeScript, SQL

**Frameworks & Libraries:** React, Next.js, Node.js, Bun, Express.js, Jest, Socket.io, Redux, Zustand, TailwindCSS

**Databases & Cloud Services:** MongoDB, PostgreSQL, Firebase, AWS

**Developer Tools:** Git, GitHub

## ACHIEVEMENTS & EXTRACURRICULAR

Secured **4th** place in the **Alphabyte Hackathon**, a national-level event with over 500 participants.

Achieved a **3-Star CodeChef** rating (maximum rating: 1669).

Designed the **Microsoft Learn Student Chapter** website at PCCoE as the **Web Development Head**.

## CERTIFICATIONS

The Web Developer Bootcamp by Colt Steele on Udemy

Data Structures and Algorithms using C++ on Udemy