

SARTHAK JOSHI

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EDUCATION

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

EXPERIENCE

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

PROJECTS

- 🔗 **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