

SAMRIDDHA CHATTOPADHYAY

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WORK EXPERIENCE

- **Full Stack Developer** Remote
Invi Grid (Full Time) May 2024 - Present
 - Managed security benchmarks across AWS, GCP, and Azure, enhancing the security of 10,000+ repositories and instances.
 - Automated scanning, deployment, and monitoring of 500+ cloud resources across AWS, GCP, and Azure.
 - Created the Permissions feature to display granted permissions for 10,000+ users across cloud platforms.
 - Developed the Global Map feature, providing a bird's-eye view of issues, resources, and costs across multiple cloud regions, resulting in 40% reduction in troubleshooting time and 35% improvement in system monitoring efficiency.
 - Improved database and application performance, reducing query execution time by 45% and ensuring zero downtime during heavy computational loads.
- **Founding Full Stack Engineer** Remote
Shram (Full Time) June 2022 - April 2024
 - Developed a scalable in-app search engine using trie data structures for 50,000+ activities, reducing search query time by 60% and improving user task completion rates by 35%.
 - Built a real-time sync engine for 20,000+ socket events across workspaces.
 - Created a task-driven gamification feature that boosted user engagement by 27%.
 - Automated over 100 tasks per minute using a voice-command bot leveraging the Web Speech API.
 - Designed and developed a Progress Meeting Feature enabling seamless standups for organizations with 500+ members.
 - Integrated GitHub Issues, resulting in 100+ additional user signups.
- **Full Stack Developer** Remote
Daphnis Labs (Part Time) November 2021 - May 2022
 - Implemented a billing feature using Next.js and Express.js to enhance client onboarding, resulting in a 30% acceleration in client registration and a 25% reduction in payment processing errors.
 - Developed customer analytics using rrweb and IP tracking APIs, leading to a 40% increase in marketing campaign effectiveness and a 25% boost in customer engagement rates.
 - Designed a customer interaction heatmap synchronized with store owners' dashboards, utilizing data visualization techniques to achieve a 25% increase in product engagement and a 20% improvement in sales conversion rates.
- **Full Stack Developer** Remote
Youniv (Part Time) September 2021 - October 2021
 - Developed graph-based connection algorithms linking 500+ users and 100+ organizations.
 - Implemented passwordless authentication using Next.js and JWT, securing a 1000+ user base.
 - Integrated Firebase backend APIs for a production-ready web app, enabling real-time data synchronization and supporting a 50% increase in concurrent users.

PROJECTS

- **Wincast** Rust, Sqlite, Powershell
 - Implemented a Windows searching utility.
 - Designed a Windows search utility supporting regex-based searches for apps, files, and folders.
- **Coder's Garage** React.js, Express.js, MongoDB, Redux, Typescript, Socket.io
 - Developed a real-time online interview platform with shared IDE and collaborative coding features.
 - Utilized Socket.io to achieve seamless IDE synchronization during interviews.

TECHNICAL SKILLS

Node.js, React.js, Next.js, Express.js, MongoDB, TypeScript, Python, C++, Rust, Go, Docker, Kubernetes, AWS, GCP, Azure.

EXTRA CURRICULARS

- Served as Secretary of Coding Club at IIT Dharwad.
- Led the Event Management Team for PARSEC 2022 at IIT Dharwad.
- Contributed as a Technical Content Writer for [Medium](https://medium.com)

EDUCATION

- **Indian Institute of Technology, Dharwad** Dharwad, India
Bachelor of Technology - Computer Science and Engineering; GPA: 8.33 November 2020 - July 2024
Major: Electrical Engineering
Minor: Computer Science and Engineering