

## EDUCATION

<b>Dharwad, Karnataka</b>	<b>IIT DHARWAD</b>	Nov 2020 – April 2024
<ul style="list-style-type: none"><li>• <b>Major:</b> Electrical Engineering, B. Tech (in-major CGPA: 8.25)</li><li>• <b>Certificate (Minor):</b> Computer Science</li><li>• <b>Programming Coursework:</b> Data Structures and Algorithms, Design and Analysis of Algorithms, Artificial Intelligence</li><li>• <b>EE Coursework:</b> Circuits, Logic Design, Signals and Speech Processing, Machine learning, Wireless Communication</li></ul>		

## EMPLOYMENT

<b>Full Stack Developer</b>	<b>Shram (Startup)</b>	June 2022 – Present
A tool that bridges the gap between people and work.		
<ul style="list-style-type: none"><li>• Developed the workspace gamification feature which rewards the users with XP for completing their tasks and milestones using backend algorithms and data tracking.</li><li>• Improved loading time of APIs by 7% by using faster algorithms for data processing and analytics.</li><li>• Leveraged knowledge of tries to build an efficient in-app searching solution at the frontend.</li><li>• Leveraged the web speech recognition API to integrate voice commands and build a conversational bot in the app.</li></ul>		

<b>Full Stack Developer</b>	<b>Daphnis Labs (Startup)</b>	November 2021 – May 2022
A startup aimed at making Shopify a better place for store owners.		
<ul style="list-style-type: none"><li>• Implemented billing functionality using Next.js frontend and Express.js backend for authentication based on billing plans.</li><li>• Implemented customer IP tracking and screen action tracking using rrweb and IP tracking APIs for getting customer analytics for a better understanding of in-demand pages, hence, helping in better marketing.</li></ul>		

<b>Full Stack Developer</b>	<b>Youniv (Startup)</b>	September 2021 – October 2021
A startup aimed at making Shopify a better place for store owners.		
<ul style="list-style-type: none"><li>• Implemented passwordless authentication using automatically generated tokens with Next.js and jwt, to provide a secure way for the clients to authenticate themselves.</li><li>• Integrated Firebase backend APIs with Next.js frontend to make the app production ready.</li><li>• Refactored the Next.js codebase to make the code clean and scalable</li></ul>		

## SOFTWARE PROJECTS

**Personal Website:** [samy-exe.netlify.app](https://samy-exe.netlify.app) (for additional information and projects)

### Grow Simplee Project for Inter IIT Tech Meet 11.0

- Built a tool to ease the end-line delivery process by using ReactJS, FastAPI, MongoDB and clustering and routing algorithms.
- Leveraged the knowledge of AI (Ant Colony optimization) to build routing and clustering algorithms that minimise the distance travelled by the delivery boy and also reduces the time taken by each of them.
- Used IoT concepts to build a dimension device for precise measurements and error free deliveries
- Built solely for the Inter IIT Tech meet 11.0 Grow Simplee Problem statement, and our team achieved a bronze medal for the same.

### Coder's Garage

- Built a tool for easing the process of online interviews, using React.js, Node.js, Socket.io and MongoDB.
- Leveraged Socket.io to build a realtime interview page where IDE is shared between interviewer and candidate.
- Built for the Summer of Innovation hackathon at IIT Dharwad. This was awarded the second prize in the hackathon.

### React IDE

- Built a tool for online and cross platform code compilation, using React.js, Node.js, Express.js and MongoDB.
- Leveraged Codemirror to build code completions, language server, code compilation and execution.
- Built for the Summer of Innovation hackathon at IIT Dharwad. This was awarded the second prize in the hackathon.

## SKILLS

**Software:** (proficient): Node.js, React.js, Express.js, MongoDB, Python, Typescript, git, (familiar): Docker, Kubernetes, AWS, cloud deployments, Lambda functions, Elasticsearch, DevOps, Unit and Integration Testing.