

Niranjana Sabarinath

Front-end web developer

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Front-End Developer with 2 years of experience in building both static and dynamic web applications using **Next.js** and **React.js**. Active core team member of GDSC and IEEE communities, dedicated to fostering tech innovation and collaboration.

Projects

CANTEEN TOKENIZATION SYSTEM ~ [Next.js](#), [firebase](#), [Brevo](#), [tailwind](#), [PWA](#).

- Developed a dynamic web app for the hostellers for **generating unique token** numbers which is used to dispense paper token from the hardware unit.
- **Security and duplications were the major concerns**, so to solve it the web app have the features like user authentication, OTP verification through mail and **implemented an algorithm for generating unique 6-digit tokens** without duplication.
- The system is in production with an average 100 users everyday in the college canteen. The web app along with the hardware unit **achieved tremendous time efficiency** than manual tokenizing.

DYNAMIC WORK ALLOCATION SYSTEM ~ [Next.js](#), [firebase](#), [shadcn ui](#), [tailwind](#)

- Implemented a dynamic web app that **automates the work/task allocation** in companies based on employee's **availability, required skills** and mainly **workload**.
- **Developed an algorithm** for allocating work for the employee with the **highest idle time** and the **least workload** so to promote balanced work distribution.
- This software was awarded the **runner-up** in the **24-hour hackathon** hosted by INSPIRA Marian IEDC and pLearn MCE.

TECHNICAL TREASURE HUNT ~ [Next.js](#), [firebase](#), [tailwind](#)

- Developed a dynamic web game where students need to find the hidden QR codes placed through out the campus and answer random questions.
- Implemented **user authentication** and **QR scanning mechanism** which should be used to scan the hidden QR codes.

Achievements

Runner-up in EDEN Hackathon

- 24 hour hackathon hosted by INSPIRA Marian IEDC and pLearn MCE.
- Got the opportunity to interact with the judging panel from **UST Global**.

Education

Providence College of Engineering

- Bachelor of Technology, Computer science
- GPA: 8.23

Skills

- **Front-End:** Next.js, React.js, HTML, CSS, Javascript
- **Styling Libraries:** Tailwind, Shadcn ui, acernity
- **Back-End:** Express, Next.js SSR
- **Databases:** MongoDB, Firebase