

# AMAN SINGH

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## EDUCATION

Year	Degree/Certificate	Institute
2021 - Present	B.Tech - Information Science and Engineering	BMS Institute of Technology and Management

## EXPERIENCE

### Frontend Engineer Intern

Apr 2024 – Aug 2024

Inilax Corporate Services

Bengaluru

- Developed dynamic and responsive interfaces using **React.js**, optimizing user experience and performance.
- Leveraged **Redux** and **Context API** for efficient state management and integrated **RESTful APIs** to enable seamless data synchronization and interactive user experiences, enhancing application maintainability and increasing data accuracy by **20%**.
- Enhanced security by implementing **Jason Web Token and Password Hashing**, reducing security breaches by **15%**.
- Collaborated effectively in **Agile teams** to deliver a complex project **20%** ahead of schedule.
- Technology Used : **React.js, Redux, Context API, RESTful APIs, Jest, React Testing Library.**

## ACHIEVEMENTS

### Project Based Learning - 1st Price

Oct 2023

### CodeRed Hackathon - Top 5

Jan 2024

## TECHNICAL SKILLS

**Programming Languages:** C, C++ , JavaScript , Java

**Databases:** MySQL, MongoDB

**Web Development:** HTML, CSS, React.js, TailwindCSS

**Backend:** Express

**Tools/Platforms:** Git, GitHub, Postman, Render, AWS

**Soft Skills:** Problem Solving, Communication, Teamwork, Proactiveness

## PROJECTS

### EventHub

[Live Github](#)

React JS , Express , NodeJS, MySQL, JWT , AWS

- Designed and developed a campus event management solution for **event scheduling, registration, ticket booking, and QR code generation.**
- Deployed on **AWS EC2** with **Auto Scaling** and **Load Balancers**, achieving **99.9%** uptime and optimizing resource allocation during traffic spikes.
- Enhanced security by implementing **Jason Web Token and Password Hashing**, reducing security breaches by **30%**.
- Utilized **Git and GitHub** for version control and collaboration.

### MindScrib

[Live Github](#)

React JS , Express , MySQL , JWT

- Built a **feature-rich notes application** with full **CRUD functionality**, **search capabilities**, and the ability to **pin important notes.**
- Implemented **JWT-based authentication** for secure and seamless user login and session management, leveraging **Sequelize** for database management.
- Deployed the application using **Netlify**, **Render**, and **Amazon RDS** for **MySQL**, ensuring **high availability, scalability, and performance.**

## RELEVANT COURSEWORK

COURSES: OOPS, DBMS, Computer Networks, Operating System, SQL