

# Sumukha N. Sureban

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## Skills

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**Languages:** C, Python, JavaScript, Go, SQL.

**Technologies & Tools:** Nodejs, Expressjs, Mongodb, Redis, React, Docker, Postman, Git, Github, Tailwindcss.

## Projects

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### College ERP

- Spearheaded the backend development of a comprehensive College ERP system using Nodejs, Expressjs, and MongoDB for database design and modeling.
- Implemented role-based access control, enabling Super Admin to create and assign College Admins. College Admins manage students and teachers.
- Developed an attendance module where teachers can mark student attendance, ensuring accurate and real-time data entry.
- Integrated JWT token-based authentication for secure access, along with password recovery features.

### Todo List Application

- Designed and implemented a task management application with robust JWT-based authentication, ensuring secure and persistent user sessions.
- Integrated Nodemailer to automate task reminders via email, enhancing user productivity by keeping them informed of upcoming tasks and deadlines.
- Utilized MongoDB's cloud infrastructure to create a scalable, reliable database for storing user data and task details, enabling efficient management of large data sets as the user base grows.
- Implemented intuitive scheduling to help users prioritize tasks, with real-time notifications and reminders.

### Password Manager

- Developed a secure password management system using AES encryption to protect sensitive user data, ensuring that passwords and keys are securely stored and can only be decrypted with the correct key.
- Added a timed password visibility feature, where decrypted passwords are shown for 30 seconds before being automatically concealed, enhancing security while allowing temporary access.
- Implemented token-based authentication to secure user accounts, enhancing login security and preventing unauthorized access to sensitive data.
- Integrated Cloudinary for secure profile photo uploads and management in a scalable cloud environment.

## Education

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### PES University, Bengaluru

Oct 2023 - Present

Master of Computer Applications

**CGPA:7.63/10**

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Web Applications Frameworks.

### KLE BCA JT College, Gadag

Sept 2020 - Sept 2023

Bachelor of Computer Applications

**CGPA:7.5/10**

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems.

## Achievements and Certifications

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- **The complete Web Development Bootcamp** by, Angela Yu.
- **Complete Web 3.0 and Blockchain Bootcamp** by, Codeater.
- **Go - The Complete Guide** by, Maximilian Schwarzmüller.
- **Secured first prize in “C your limit”** conducted by KLE RLS College, Dharwad
- **Finalist in the INVINCIO** coding contest at KLE's PC Jabin College, Hubballi, placing in the top 3 out of 30 teams.