

SUKUMAR R A

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Objective

Aspiring Computer Science student passionate about software development, with a solid understanding of programming and problem-solving. Eager to learn, grow, and contribute to meaningful projects within a supportive team, while continuously improving my skills and building useful solutions.

Education

East West Institute of Technology

Bachelor of Engineering in Computer Science
CGPA: 9.01

Expected 2026

Bengaluru, Karnataka

Sarvodaya PU College

Pre-University Course - PCMB
MARKS: 82%

2020 - 2022

Tumkur, Karnataka

Experience

NullClass

Nov 2024 – Feb 2025

Web Development Intern (MEAN Stack) - [Link](#)

Remote

- Implemented secure user authentication, dynamic seat selection, and a responsive UI using Angular for a bus booking web app.
- Optimized backend services using Node.js, Express.js, and MongoDB to ensure reliable data management and quick load times.
- Integrated Firebase Cloud Messaging (FCM) for real-time booking updates and notifications, enhancing user engagement.
- Added AI chatbot for booking assistance and implemented multi-language support using Google Translate widget.

Projects

Book Review Platform | React, Tailwind CSS, Node.js, Express.js, MongoDB

- Developed a full-stack web application for browsing, adding, and reviewing books with secure JWT authentication, protected route and role-based access control.
- Optimized backend API queries and request handling, reducing average response latency by 30% and improving overall data retrieval efficiency.
- Implemented features including sorting, filtering and increased the enhance scalability and maintainability.

Data Ingestion Tool | Spring Boot, ClickHouse, Java

- Engineered a bidirectional data pipeline enabling CSV import/export with ClickHouse using Spring Boot backend and AngularJS frontend.
- Implemented user authentication with JWT, data schema preview, and customizable column mapping.
- Optimized data ingestion performance for large datasets and supported schema discovery for dynamic input.

Digital Library Management System | Java Swing, JDBC, MySQL

- Built a modular library management system enabling CRUD operations for books and members using Java Swing.
- Connected to XAMPP MySQL via JDBC, allowing seamless data management and secure borrowing activity tracking.
- Followed MVC principles for scalable design and improved code maintainability.

Achievements

- Secured 6th place in a college-level hackathon at a 24-hour coding challenge.

Technical Skills

Languages: Java, JavaScript, C

Frontend: React.js, HTML, CSS

Backend: Node.js, Express.js

Database Systems: MySQL, MongoDB

Tools and Platforms: Git, GitHub, IntelliJ IDEA, VS Code, Postman, Docker