

Bhanu Prakash Alahari

Full Stack Developer

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[Portfolio](#) • [GitHub](#) • [LinkedIn](#) • [LeetCode](#)

SUMMARY

Full Stack Developer with hands-on experience building scalable web applications using **React.js**, **Node.js**, **Express.js**, and **REST APIs**. Proficient in JWT-based authentication, state management, responsive UI development, and payment gateway integration. Demonstrated problem-solving ability through real-world projects and hackathon wins.

EDUCATION

Rajiv Gandhi University of Knowledge Technologies (RGUKT), Ongole 2023 – 2027

B.Tech in Computer Science Engineering CGPA: **8.6 / 10**

RGUKT RK Valley 2021 – 2023

Intermediate – MPC CGPA: **9.47 / 10**

Kids Pathasala, Macherla 2020 – 2021

SSC CGPA: **10.0 / 10**

TECHNICAL SKILLS

Languages JavaScript (ES6+), TypeScript, Python, HTML5, CSS3

Frontend React.js, React Router, Context API, Tailwind CSS, Bootstrap, Framer Motion, PWA

Backend Node.js, Express.js, REST API Design, JWT Authentication

Databases MongoDB, SQLite

Tools Git, GitHub, Postman, Vite, npm, VS Code

Concepts Data Structures & Algorithms, Concurrency Control, Payment Integration

PROJECTS

Movie Mokkalu [\[Live\]](#) 2025

Full-stack movie ticket booking platform engineered for high-concurrency seat reservations. Processed **400+ bookings** handling over **Rs. 25,000** in transactions.

- Built **atomic seat locking** using MongoDB pessimistic concurrency control, eliminating double-booking under simultaneous user load.
- Implemented **MongoDB TTL indexes** to auto-release abandoned seat locks after 2 minutes, keeping inventory accurate without manual cleanup.
- Integrated **Razorpay payment gateway** with backend signature verification and idempotent booking logic to prevent duplicate transactions.
- Built responsive **React 19** frontend with **Framer Motion** animations and short-polling for live seat map synchronization.
- Tech:** React 19, Vite, Tailwind CSS, Node.js, Express.js, MongoDB, Razorpay, Nodemailer

UniZ – University Intelligence Engine [\[Live\]](#) 2025 – 2026

College administration portal for RGUKT Ongole serving students and faculty.

- Built student and admin portal UIs using **TypeScript** and **React.js**, integrated with backend REST APIs via Axios.
- Implemented **role-based route protection** (Student, Faculty, HOD, Webmaster) using React Router and JWT-based auth context.
- Developed the app as a **Progressive Web App (PWA)**, enabling home screen installation and a native-like mobile experience for students.
- Designed responsive, accessible layouts ensuring a consistent experience across desktop and mobile for the college user base.
- Tech:** TypeScript, React.js, React Router, Tailwind CSS, Axios, JWT, PWA (Service Workers)

ACHIEVEMENTS & AWARDS

- 1st Place** – MLRIT Hackathon; delivered a complete frontend solution under time-constrained competition conditions.
- 3rd Place** – VR Siddhartha Engineering College Hackathon; contributed as core developer in a cross-functional team.
- Solved **150+ problems** on [LeetCode](#) spanning arrays, strings, linked lists, and dynamic programming.