

# MAHESH REDDY

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## Experience

### Founder & Developer – EcoBill

*Self-Initiated Project*

*Remote*

- Built a digital billing & inventory platform with QR-code billing, role-based access, and offline-first PWA.
- Optimized DB queries to cut response times by 30%; piloted with local businesses for smoother billing.

## Projects

### MyBIET – Student Portal [Live]

- Engineered portal for 10,000+ BIET students to access results, blogs, and events securely.
- Added offline teacher attendance with local storage & gesture shortcuts.
- Stack: Next.js, Tailwind, PostgreSQL, Prisma, Node.js.

### Live Chat App [Demo]

- Engineered real-time chat with character-by-character sync via WebSockets, cutting delay 95% vs polling.
- Tested with 50+ concurrent users; deployed on VPS for ultra-low latency.
- Stack: Next.js, WebSockets, Bun.js, Tailwind.

### TVault – Minimal Text Vault [Code]

- Engineered a minimal vault to store/retrieve text snippets via unique keys, accessible from web or curl.
- Optimized with Redis in-memory store, reducing retrieval latency to sub-ms and implementing 1-day TTL for auto-expiry.
- Stack: Next.js, Redis, Node.js.

## Achievements

- Shortlisted for **Smart India Hackathon 2023** at the college level.
- Built and scaled **MyBIET Portal** to 1000+ registered users, demonstrating strong adoption and usability.

## Technical Skills

- **Languages:** JavaScript, TypeScript, Python, Java, C, Rust, C++
- **Frameworks:** React.js, Next.js, Express.js, Tailwind CSS, Redux
- **Databases:** PostgreSQL, MongoDB, Redis
- **Tools:** Git, GitHub, Docker, Vercel, AWS, Firebase
- **CS Fundamentals:** OS, DBMS, Computer Networks, Systems Design, DSA, OOP

## Positions of Responsibility

- **Head, Web Development Club:** Mentored 100+ students through hands-on workshops.
- **Deputy Class Representative:** Coordinated between 60+ students and faculty.
- **Co-Lead, GDSC:** Conducted technical sessions and collaborative workshops.

## Education

### Bharat Institute of Technology, Hyderabad

*B.Tech. in CSE - DataScience*

**2022 – 2026**

*CGPA: 8.24*

### TS Model School, Jharasangam

*Senior Secondary (XII)*

**2020 – 2022**

*Percentage: 84.00*