Mahesh Reddy

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Experience

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 (Linkedin)]

- 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 [Live]

- Built a minimal vault to securely store and retrieve text snippets using unique keys, accessible via Web UI or `curl`.
- Implemented a custom URL shortener module enabling users to generate human-friendly short links with their own custom keys for shared snippets.
- Optimized performance with Redis in-memory store, achieving sub-millisecond retrieval latency and auto-expiry using a 1-day TTL.
- Tech Stack: Next.js, Node.js, Redis.

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   **2022 – 2026**
B.Tech. in CSE - DataScience   *CGPA: 8.24*

TS Model School, Jharasangam   **2020 – 2022**
Senior Secondary (XII)   *Percentage: 84.00*