Sunay Kulkarni

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EDUCATION

Dayananda Sagar College of Engineering Bengaluru, Karnataka
Bachelor of Engineering in Computer Science (Cyber Security) *Oct. 2023 – June 2027*

Expert P.U College Mangaluru, Karnataka
Pre-University: Physics, Chemistry, Mathematics, Computer Science *Aug. 2021 – May 2023*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C/C++, SQL (PostgreSQL)
Frameworks & Libraries: Node.js, Express.js, React, Socket.io, Redis, Flask, MongoDB
Developer Tools: Git, GitHub, Postman, VS Code, IntelliJ IDEA, Vercel, Render
Core Competencies: Web Development, Real-time Systems, RESTful APIs, WebSocket Communication, Database Design

PROJECTS

AI Code Collaboration Platform | *JavaScript, Node.js, Express, Socket.io, Redis, React* GitHub
- Architected real-time collaborative coding platform with JWT authentication supporting concurrent multi-user editing sessions
- Engineered WebSocket infrastructure using Socket.io for live code synchronization and chat, reducing latency to under 50ms
- Implemented Redis caching for session management and integrated AI-powered code suggestions to enhance productivity

Terminal Task CLI Tracker | *Node.js, JavaScript* GitHub
- Built command-line task management tool with full CRUD operations and persistent JSON-based storage
- Implemented CLI interface with status filtering and color-coded output for enhanced user experience

TECHNICAL ACTIVITIES

CTF Competitions & Hackathons
Active Participant
- Participated in CTF competitions developing skills in web exploitation, cryptography, reverse engineering, and forensics
- Collaborate in hackathon teams to rapidly prototype solutions, demonstrating agile development and problem-solving abilities