Siddhesh Bawaskar

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Education

Government College of Engineering Aurangabad — Chh. Sambhajinagar, India
Bachelor of Engineering in Computer Science and Engineering — Aug 2023 - Present
Major in Computer Science Engineering

Projects

Endurance Inventory Manager
Key Skills : React.js, Node.js, JavaScript, Excel, SQL
- Developed an inventory management platform to streamline **manufacturing inventory and assembly planning** workflows. Implemented Excel-based processing with **P1 (Opening Stock)**, ADF Confirmation, and Assembly Plan tracking.
- Implemented automated inventory validation and status indicators to identify **material shortages and production planning risks**.

Distributed Linux Fleet Management System **Repository**
Key Skills : Go, React, PostgreSQL, gRPC, JWT, mTLS, Prometheus, Grafana, Docker
- Developed a distributed platform for **remote Linux node management, command execution, and fleet-wide operations** with real-time node monitoring.
- Implemented secure **gRPC communication, JWT authentication, mutual TLS, RBAC, audit logging**, and integrated Prometheus, Grafana, Loki, and Alertmanager for fleet observability.

PUBG PP – Real-Time Tournament Management Platform
Key Skills : Node.js, JavaScript, Socket.IO, RBAC, JWT, WebSockets, OBS
- Contributed to a **real-time tournament management platform** supporting live scoring, team management, match operations, standings, and broadcast overlays as part of a group project.
- Developed major components including **authentication, RBAC, security hardening, audit logging, tournament management, and real-time Socket.IO synchronization**.

Endpoint Detection and Response (EDR)
Key Skills : Python, JavaScript, Node.js, Electron.js, Linux, Windows
- Developed a **cross-platform EDR system** for endpoint monitoring, threat detection, and security event analysis across Windows and Linux environments.
- Implemented **process monitoring, file-system activity tracking, suspicious behavior detection, and response workflows** to support endpoint investigation.

Skills

- **Web Development**: HTML5, CSS3, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, REST APIs, SQL, Full-Stack Development
- **Cybersecurity Tools**: Metasploit, Burp Suite, Nmap, Wireshark, Tcpdump, Kali Linux
- **Programming Languages**: C, C++, Python, JavaScript, Rust, Swift (basic)
- **Security Expertise**: Vulnerability Assessment, Penetration Testing, Network Scanning, Ethical Hacking, Incident Response, Security Policies, OWASP Top 10
- **Cloud & Infrastructure**: AWS EC2, S3, Lambda, Docker, PostgreSQL, MySQL, Git, GitHub, Linux

Activities & Achievements

- **Cybersecurity Coach, C Cube Coding Club, GECA** **April 2025 - Present**
- Led hands-on sessions on **cybersecurity, networking, and ethical hacking**, mentoring peers and helping strengthen the club's technical capabilities.
- Organized cybersecurity workshops and technical sessions, promoting a **security-aware coding culture** within the college community.
- **Winner – Concept2Code Hackathon, JNEC, MGM University**