

Sunay Kulkarni

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EDUCATION

Dayananda Sagar College of Engineering

Bachelor of Engineering in Computer Science and Engineering

Bengaluru, KA

Aug. 2023 – Present

ACHIEVEMENTS & INVOLVEMENT

Aegis Internal CTF

2nd Place

- Competed in DSCE’s internal **Capture The Flag (CTF)** competition, demonstrating skills in **web exploitation, reverse engineering, cryptography, and forensics**.
- Solved complex security challenges under time constraints and collaborated with teammates to identify and exploit vulnerabilities efficiently.

Decipher Blitz

Top 10

- An annual CTF organized by the Cyber Security club. Secured **9th** position among all participants.

PROJECTS

BookIt | *TypeScript, Node.js*

[GitHub Repo](#)

- Developed a full-stack vacation booking platform enabling users to search, compare, and reserve holiday stays with real-time availability.
- Implemented secure user authentication, booking management workflows, and dynamic pricing logic using TypeScript and Node.js.
- Designed a responsive, user-friendly interface focused on intuitive trip discovery and seamless reservation experience.

AI Code Collaborator | *React, Node.js, Express, Socket.io, Gemini API*

[GitHub Repo](#)

- Built a real-time collaborative coding platform enabling multiple users to edit, run, and chat within the same interface.
- Integrated **AI assistance** for code suggestions, explanations, and debugging support.
- Implemented seamless synchronization using **WebSockets** and added GitHub integration for direct code commits.

MindVault | *React, Node.js, Express, MongoDB*

[GitHub Repo](#)

- Developed a “second-brain” web app to capture, organize, and retrieve thoughts, notes, and ideas efficiently.
- Implemented **RESTful APIs** for content management and integrated a responsive frontend with dynamic popups.
- Designed a modular architecture with separate **frontend and backend** directories for scalability and maintainability.

TECHNICAL SKILLS

Languages: Java,C, Python,JavaScript,Typescript,SQL, HTML, CSS

Frameworks: Node.js,PostgresSQL,React.js,Express.js,MongoDb

Developer Tools: VS Code, Git, Docker,Vercel,Render