ABHIJITH A

Email : abhijithksd23@gmail.com | **Mobile** : +91 6282964400
Github : github.com/abhijithgithub23 | **Linkedin** : www.linkedin.com/in/abhijithksd23
Portfolio : https://abhijith-aj-portfolio.netlify.app/

EDUCATION

Sahyadri College of Engineering and Management Karnataka, India | 2021-2025
Bachelor of Engineering in Computer Science and Engineering

SKILLS

- **Programming Languages:** C++, HTML, CSS, JavaScript, SQL, Bash
- **Frameworks & Libraries:** Node.js, Express.js, React.js, Bootstrap, Metasploit
- **Databases:** MongoDB (Mongoose), MySQL
- **Tools & Platforms:** Visual Studio Code, Burp Suite, Nmap, Wireshark, Git, Linux, macOS,
- **Concepts:** Web Development, MERN Stack, Web Hosting, Networking, Cybersecurity (Penetration Testing, Vulnerability Assessment)
- **Soft Skills:** Team Collaboration, Adaptability, Report Writing, Time Management, Work Ethic

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EXPERIENCE

Web Application Testing Intern
TorSecure Cyber LLP | Jan 2025 – Apr 2025

- Performed manual web application testing to identify vulnerabilities like SQL Injection, XSS, and CSRF.
- Used tools like Burp Suite and browser developer tools to analyze and exploit flaws based on OWASP Top 10.
- Documented findings and recommended fixes to enhance overall web application security.

Developer Intern (Python & Scripting)
Centre of Excellence Digital Forensics Intelligence & Cyber Security | Oct 2023 – Nov 2023

- Developed a Python-based keystroke simulation tool, improving hardware-software automation.
- Scripted automated scenarios for internal QA testing processes.

PROJECTS

Airbnb Clone – Full Stack Web Application (MVC)

- Developed a server-rendered web application following the MVC architecture for managing property listings, user authentication, reviews, and interactive maps.
- Implemented secure authentication and authorization with Passport.js, session handling, and role-based access control.
- Technologies: Node.js, Express.js, MongoDB (Mongoose), EJS, Passport.js, Cloudinary, Mapbox, Bootstrap 5

Early Sepsis Detection System – Machine Learning Project

- Developed a healthcare ML application to predict early sepsis using clinical time-series data.
- Applied feature engineering and used models like LightGBM and Random Forest.
- Technologies: Python, Pandas, Matplotlib, Seaborn, Jupyter Notebook.

Gym Management System – Full Stack Desktop App

- Built a GUI-based system to manage gym memberships, attendance, and trainer scheduling.
- Backend integration using Java + MySQL, implemented real-time data processing.
- Tools: Apache NetBeans, MySQL Workbench