

SAGAR MADHYANAPU

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SUMMARY

Detail-oriented and highly motivated Computer Science graduate with a strong foundation in software development, cybersecurity, and quality assurance. Skilled in software testing, process optimization, and compliance analysis to ensure efficiency and security. Strong problem-solving abilities, a quick learner, and adept at identifying and resolving technical issues. Passionate about improving system reliability through rigorous testing and continuous improvement.

TECHNICAL SKILLS

Languages: Python, C

Web Development: HTML, CSS

Databases: SQL (Fundamental knowledge)

Cybersecurity: Security vulnerability analysis, authentication mechanisms

Tools & Frameworks: Basic knowledge of Jira, ServiceNow, ITIL framework

Quality Assurance: Familiar with testing processes, internal/external compliance standards

Projects & Experience

Integrating Blockchain with AI for Privacy-Preserving Recommender Systems (Python, React.js, Node.js, flask)

- Developed an AI-powered recommender system integrated with blockchain for secure data utilization.
- Implemented machine learning algorithms to provide personalized recommendations while ensuring data privacy.
- Utilized smart contracts to maintain data integrity and prevent unauthorized access.

Secure Login System (Python & MySQL)

- Designed a secure authentication system with MFA and encrypted password storage using bcrypt.
- Implemented role-based access control (RBAC) and security measures to prevent SQL injection and session hijacking.
- Developed a user-friendly interface for seamless login and registration experiences.

Personal Portfolio Website (HTML, CSS, JavaScript)

- Built a responsive and interactive portfolio website to showcase projects, skills, and achievements.
- Optimized UI/UX with smooth animations, intuitive navigation, and fast load times.
- Deployed the website using GitHub Pages/Vercel, ensuring accessibility and cross-device compatibility.

INTERNSHIP

Cybersecurity Intern | AICTE (Oct 2021 - Dec 2021)

Gained hands-on experience in security compliance, data integrity, and risk assessment. Assisted in conducting vulnerability assessments to identify security weaknesses in systems and networks. Prepared detailed documentation of findings, including potential risks and mitigation strategies. Worked closely with senior security professionals to analyze security threats, ensure adherence to compliance standards, and improve overall cybersecurity posture.

Education

Siddhartha institute of Engineering & Technology

Bachelor of computer Science engineering

July 2019 – Aug 2023

Hyderabad