Krusha Parikh

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LinkedIn   GitHub   Portfolio

PROFESSIONAL SUMMARY

Cybersecurity-focused Computer Engineering student with hands-on exposure to secure systems, vulnerability analysis, and investigative security practices. Strong foundation in application security, network fundamentals, secure coding, and system-level risk awareness. Experience working with access control, secure APIs, and logging workflows. Actively building depth in vulnerability assessment, threat analysis, and security-driven system engineering.

CORE CYBERSECURITY SKILLS

Application Security, Network Security Fundamentals, Secure Systems, Threat Modeling, Risk Assessment, OWASP Top 10, Vulnerability Assessment, Secure Coding, Access Control, Authorization, Incident Analysis Basics, Nmap, Burp Suite, Wireshark, SIEM Fundamentals, Log Analysis, Packet Analysis, Python, Java, C/C++, Bash, Linux Fundamentals, REST APIs, Authentication Systems, MySQL, MongoDB, AWS, Microsoft Azure, Git, Docker, Postman

EDUCATION

Bachelor of Engineering in Computer Engineering   2023 – 2026
Indus University: Focus: Cybersecurity, Secure Systems, Software Engineering, Network Fundamentals

Diploma in Computer Engineering   2020 – 2023
Gujarat Technological University: CGPA: 9.37

CYBERSECURITY & SECURE SYSTEM PROJECTS

AMC Smart Civic Management System: Secure Governance Platform

- Worked on multiple system modules handling sensitive municipal service data and citizen workflows.
- Implemented and tested authentication and authorization logic across several backend endpoints.
- Reviewed API flows and data handling components to identify access risks and exposure points.
- Supported logging-aware workflows and secure data handling practices across the system.

AI Lead Generator: Secure Data Automation Platform

- Built secure automation pipelines processing structured data from multiple web sources.
- Integrated validation and sanitization checks to reduce injection and malformed input risks.
- Designed controlled API workflows emphasizing integrity, authorization, and monitoring readiness.

Conversational Chatbot for Institutions: Secure Application System

- Developed a web-based chatbot handling institutional queries and backend service communication.
- Applied secure coding practices and tested endpoints for OWASP Top 10 vulnerabilities.
- Monitored data flows and strengthened authentication handling between system components.

Industrial IoT & Smart Systems: Security Exposure Projects

- Analyzed IoT-based system models involving sensors, devices, and regulated communication channels.
- Studied device exposure, interception scenarios, and unauthorized access risks.
- Implemented basic protection logic with logging and monitoring awareness.

CYBERSECURITY LABS & TOOL EXPOSURE

- Practiced beginner-level security labs using Linux environments, vulnerable web apps, and network simulations.
- Performed scanning, inspection, and traffic analysis using Nmap, Burp Suite, and Wireshark.
- Completed guided labs and CTF-style exercises focused on OWASP vulnerabilities and investigative workflows.

EXPERIENCE

Web & Systems Intern: MaheshSuchit Immigration Pvt. Ltd.   2024 – 2025

- Supported backend workflows handling client data, APIs, and authentication logic across multiple features.
- Contributed to improving access flows, backend stability, and reducing configuration-related risks.
- Tested application components, documented system behavior, and supported secure operational practices.

Intern: Comprehensive Up-Skilling Program, Indus University   2023

- Completed structured technical assignments across data handling, system workflows, and security-aware documentation.
- Evaluated multiple system workflows, data paths, and reliability scenarios through guided technical exercises.

LEADERSHIP

Technical Head: Indus Student Activity Cell (Instincts 2025)
Led technical teams, supervised system operations, coordinated security-aware workflows, and supported event infrastructure reliability.

CERTIFICATIONS & ACTIVITIES

Internship Program in Comprehensive Up-Skilling
SSIRF 2022: Student Start-Up Innovation & Research Festival
Vibrant Gujarat Global Summit 2024: Certificate of Appreciation