

# Samiksha Ganesh Salunke

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## PROFESSIONAL SUMMARY

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Cybersecurity and Digital Forensics graduate with hands-on experience in Vulnerability Assessment and Penetration Testing (VAPT), web application security testing, offensive security, and Linux environments. Proficient with industry-standard tools including Nmap, Metasploit, Burp Suite, OWASP ZAP, and SQLMap, with a strong understanding of OWASP Top 10, CVSS scoring, and PTES methodology. Actively seeking a VAPT Internship to apply practical skills in reconnaissance, exploitation, and professional pentest reporting from day one.

## EDUCATION

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### **B.K. Birla College, Kalyan**

Bachelor of Vocation (B.Voc) in Cyber Security and Digital Forensics (180 Credits – Equivalent to B.Tech Degree)

**CGPA: 9.73**

*Relevant Coursework:* Network Security, Penetration Testing, Vulnerability Assessment, Ethical Hacking, Digital Forensics, Web Security, Cryptography, Incident Response, Malware Analysis, Operating Systems, Computer Networks

### **B.K. Birla College of Arts, Science and Commerce, Kalyan** Jun 2021 – Apr 2023

Higher Secondary Certificate (HSC) — 85.33%

### **Rita Memorial School, Kalyan** 2020 – 2021

Secondary School Certificate (SSC) — 88.20%

## PROJECTS

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### **Offensive Security Assessment & Exploitation Framework | Kali Linux, Metasploit, Nmap, Burp Suite, OpenVAS**

*Nov 2025 – Present*

- Designed a structured VAPT framework simulating real-world network and web attack scenarios across the full pentest lifecycle.
- Performed active reconnaissance, service enumeration, OS fingerprinting, and attack surface mapping using Nmap and Netcat.
- Conducted vulnerability assessments aligned with OWASP Top 10, covering Injection, XSS, Auth Failures, and Security Misconfiguration.
- Executed exploitation and post-exploitation activities using Metasploit, reverse shells, Hydra (brute-force), and John the Ripper (hash cracking).
- Produced professional pentest reports with CVSS risk ratings, proof-of-concept (PoC) steps, and actionable remediation recommendations.

### **Web Application Security Testing | Burp Suite, OWASP ZAP, Python, SQLMap** Dec 2025 – Present

- Set up DVWA (Damn Vulnerable Web Application) and performed manual black-box and grey-box testing for OWASP Top 10 vulnerabilities.
- Identified and exploited SQL Injection, Cross-Site Scripting (XSS), CSRF, and Insecure Direct Object Reference (IDOR) vulnerabilities.
- Used Burp Suite Proxy to intercept, tamper, and replay HTTP/S requests; performed parameter manipulation and session token analysis.
- Ran automated scans using OWASP ZAP and SQLMap; validated findings manually to eliminate false positives and confirm exploitability.
- Delivered a structured vulnerability assessment report with CVSS scores, PoC screenshots, impact analysis, and fix recommendations.

## **AI-Enabled Visa Status Prediction & Processing Time Estimator | Python, Machine Learning Dec 2025 – Present**

- Developed a predictive analytics system to estimate visa processing time using historical application data.
- Performed data collection, cleaning, feature engineering, and EDA to identify regional, seasonal, and visa-type processing trends.
- Trained and evaluated regression models (Linear Regression, Random Forest, Gradient Boosting) using MAE, RMSE, and R<sup>2</sup> metrics.
- Integrated the model into a web-based interface / API-ready architecture for real-world usability and deployment.

## **TECHNICAL SKILLS**

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**Languages:** Python, SQL, Bash, JavaScript

**Data & Libraries:** Pandas, NumPy, Scikit-learn, EDA, Feature Engineering, Data Pipelines

**Penetration Testing Tools:** Nmap, Metasploit, Burp Suite, OWASP ZAP, SQLMap, Hydra, John the Ripper

**Vulnerability Scanning:** OpenVAS, Nessus

**Frameworks:** OWASP Top 10, PTES, CVE/CVSS

**Network Tools:** Wireshark, Netcat

**Unix/Linux:** Kali Linux, Parrot OS, Ubuntu, Shell Scripting, SSH, Cron, User & Permission Management

**Cloud (Concepts):** AWS, Microsoft Azure, Google Cloud Platform

**Other:** Git, GitHub, Cisco Packet Tracer, Technical Documentation, Problem Solving

## **CERTIFICATIONS**

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**Certified Ethical Hacker (CEH) | EC-Council | *Ongoing***

- Covers ethical hacking techniques, penetration testing methodologies, exploitation frameworks, and cybersecurity best practices.