

Satyam Mishra

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SOFTWARE ENGINEERING | FULL STACK DEVELOPER | CYBER SECURITY

Backend Development · REST APIs · Cloud · AI/ML · Cybersecurity

CS undergraduate skilled in Data Structures, Machine Learning, scalable backend systems, and RESTful APIs. Passionate about system design, performance optimization, and cybersecurity. Proven track record of deploying production-grade platforms and conducting real-world security assessments.

EXPERIENCE

ShadowFox Inc. | Vulnerability Assessment & Penetration Testing Intern

Apr 2024 – Dec 2024

- Conducted network and application vulnerability assessments using Nmap, Burp Suite, and automated scanners.
- Executed OWASP Top 10 & SANS Top 25 penetration tests; identified critical misconfigurations and high-risk vulnerabilities.
- Analyzed SIEM alerts across Splunk, QRadar, and Azure Sentinel; documented vulnerabilities with actionable remediation steps.

Tech: Nmap, Burp Suite, OWASP, Splunk, QRadar, Azure Sentinel

DsaStats | Full Stack Intern

Jan 2025 – Present

- Developed and integrated REST APIs using Node.js, Express, and Django; built fully responsive React UIs for production use.
- Led end-to-end feature development with Git, GitHub, and Firebase; improved API reliability and reduced latency in production.
- Collaborated on cross-platform mobile features using Flutter and integrated Google Maps API and OpenCV for real-time features.

Tech: React, Node.js, Express, Django, Flutter, Firebase, Google Maps API, OpenCV

PROJECTS

VenueVerse – Venue Discovery & Booking |  Live Demo

- Platform connecting users with event venues, banquet halls, hotels, and conference spaces at scale.
- Built venue search, filtering, booking inquiries, user authentication, and responsive owner/user dashboards.
- Scalable frontend and backend with secure REST APIs, JWT auth, and cloud-based deployment on production.

Tech: Next.js, React, Node.js, Firebase, REST APIs, JavaScript

Cyber Threat AI – ML + Web App |  Live Demo

- Multimodal AI platform detecting fake news, scams, phishing, and deepfakes via ensemble intelligence.
- Real-time analysis combining NLP models, heuristic rules, and multimodal fusion across text, image, and video.
- FastAPI backend with explainable AI, live fact-checking API, and feedback-driven continuous learning pipelines.

Tech: Python, FastAPI, Streamlit, Transformers, Scikit-learn, OpenCV, SQLite, Firebase

EDUCATION

Pranveer Singh Institute of Technology

Kanpur, India

B.Tech in Computer Science Engineering | GPA: 7.2 | Oct 2023 – Present

- Coursework: Operating Systems, Data Structures & Algorithms, DBMS, Cryptography, Computer Networks, Software Engineering.

S.R. Education Centre

Kanpur, India

CISCE Intermediate | 81.5% | 2022

SKILLS & ACHIEVEMENTS

- Programming:** Python, Java, C++, JavaScript, Dart, SQL, CSS
- Security:** VAPT, OWASP Top 10, SIEM, Penetration Testing, AES-256
- Web & Backend:** React, Next.js, Node.js, Express, Django, FastAPI
- Mobile:** Flutter, Firebase, Google Maps API, Push Notifications
- Databases:** MySQL, SQLite, MongoDB, Firebase, Firestore
- Tools & Cloud:** Docker, AWS, Linux, Burp Suite, Nmap, Git, GitHub

- Solved **300+** **DSA** problems across LeetCode & Geeks-forGeeks
- Deployed **CyberThreatAI** – live AI-powered threat detection platform (2026)
- Deployed **VenueVerse** – production venue discovery & booking platform (2025)
- Deployed **FoodBridge** – cross-platform food donation mobile application (2025)
- Oracle AI Foundations Associate** Certified
- ISO 27001** Information Security Management Certified