

Deep SenGupta

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Summary

Passionate Computer Applications student skilled in cybersecurity, full-stack development, and real-time threat detection. Known for building secure, scalable apps and automating smart solutions. Eager to join an innovative tech team as a junior developer or cybersecurity analyst.

Technical Skills

- **Languages:** JavaScript, Python, PHP, SQL, Bash, HTML5, CSS3
- **Frameworks/Technologies:** Node.js, Express.js, Bootstrap, Linux, OWASP ZAP, Nmap
- **Tools:** Git, Postman, Wireshark, Burp Suite, Visual Studio Code
- **Cybersecurity Competencies:** Network Scanning, Threat Modeling, Vulnerability Assessment, Secure Authentication, Log Analysis, Traffic Monitoring

Project Experience

Suspicious Web Threat Interactions | Web-Based Threat Detection System

05/2025 - Present

- Engineered a real-time system to detect malicious URLs and user behavior anomalies using behavioral analytics.
- Increased phishing and malware detection accuracy by 25% through pattern recognition.
- Reduced manual review time by 40% with automation-based threat flagging.

Anomaly-Based Web Application Firewall | Security Infrastructure Project

03/2024 - 06/2024

- Developed a firewall that filters abnormal web traffic using machine-learned patterns and log analysis.
- Achieved a 20% boost in detection precision by optimizing model tuning and parameter configuration.
- Refined detection rules to minimize false positives and operational noise.

Two-Factor Authentication System | Secure Web Application Component

01/2024 - 05/2024

- Built a secure 2FA login system with encrypted OTP generation and validation.
- Integrated brute-force protection and rate-limiting to enhance access security.
- Emphasized secure storage and token integrity to align with OWASP standards.

Education

Siksha 'O' Anusandhan University | Bhubaneswar

Bachelor of Computer Applications (BCA) | 08/2024

DAV Public School | Asansol

Senior Secondary Examination | 07/2021

DAV Public School | Asansol

Secondary School Examination | 05/2019

Additional Highlights

- Developed and deployed responsive, accessible websites using Tailwind CSS and JavaScript.
- Experienced in debugging, packet sniffing, and penetration testing for ethical hacking practice labs.
- Active GitHub contributor with project repositories demonstrating clean code and documentation.