

Pawan Gambhir

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WORK EXPERIENCE

Cloud Security Club

June 2024 - Current

Security Researcher (AWS)

- AWS Security Analysis: Performed detailed root cause analysis to understand the underlying reasons behind vulnerabilities, ensuring effective remediation strategies are implemented.
- Tool Proficiency: Utilized AWS CLI and security tools like Pacu and Prowler to automate security assessments, identify vulnerabilities, and assess overall AWS security posture, optimizing processes for security and efficiency.
- Research & Remediation: Investigated AWS security threats, develop and implement effective remediation strategies. Ensure AWS environments remain secure through monitoring and mitigation.
- Automation & Documentation: Contributed to the development of security documentation and best practices, facilitating knowledge sharing and continuous improvement in AWS security measures.

SKILLS

AWS – IAM, EC2, Amplify, CLI, S3, SQS, SES, SNS, Route 53, VPC, RDS, CloudWatch, DynamoDB, Lambda etc.

DevOps – Docker, Docker-compose, Gitlab, Kubernetes, Terraform, Iac, CI/CD automation - Jenkins.

Programming Languages – Python, C, C++

Scripting Languages – Bash, Python

Security – OWASP 10, Pacu, Graphrunner, BurpSuite, Metasploit, Nmap, Cloud pentesting, Web Pentesting.

CERTIFICATIONS

[AWS Certified Solutions Architect Associate](#)

Achieved June 2024

[AWS Certified Cloud Practitioner](#)

Achieved Dec 2023

TECHNICAL PROJECTS

[Paws-enun](#) - AWS Enumeration script (Bash, AWS CLI)

- A bash script utilizing AWS CLI commands to enumerate IAM, S3, and EC2 resources, identifying security misconfigurations. Results are formatted and stored in a report file using 'jq'.

[Svalbard](#) - Password manager & strength checker (Python, SQL, docker)

- Python-based password manager and strength checker adhering to the latest OWASP policy, deployed via Docker. Encrypted with SHA256, passwords are accessible only with a master password.

[AWS Email Setup](#) (SQS, SES, Lambda, IAM)

- Automated email processing using AWS SQS and Lambda for scalability and efficiency. Configured AWS, SES and IAM ensure secure, high-deliverability email management.

[AWS Three-tier Web Application](#) (EC2, ELB, IGW, Aurora, IAM, VPC, SG)

- A secure, 3-tier architecture with public/private subnets, ELBs for multi-AZ traffic distribution and auto-scaling, and Aurora read replicas for high availability. Key AWS services like EC2, VPC, and ELBs are employed.

EDUCATION

Chitkara University

Graduating: July 2026

Bachelor of Engineering, Computer Science Engineering (CGPA: 9.36)

Organizations/Awards: Dean's Toppers List, AWS C3 Captain, Cybersecurity Head of OSC.

ACHIEVEMENTS

- Selected as one of 87 AWS Cloud Club Captains from a competitive pool of 1,200 applicants.
- Managed a team of 6 members as Head of Cybersecurity at Open Source Chandigarh.
- Received university appreciation for identifying critical vulnerabilities, including a stored XSS resulting in 100% account takeover on their website, resulting in enhanced security measures.
- Create educational [YouTube](#) content on cybersecurity and cloud security, with over 300 subscribers. Featured content includes CTF solutions, cloud pentesting, and expert guidance.