

Abdul Salam

Cybersecurity & Security Engineering

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GitHub | Portfolio | LinkedIn

Profile

Cybersecurity-focused Computer Science undergraduate with hands-on experience building security systems, cryptographic applications, and threat detection platforms. Strong interest in penetration testing, security engineering, and applied defense research. Proven ability to design, implement, and analyze real security tools.

Core Skills

Penetration Testing Fundamentals, Secure System Design, Cryptography Implementation, Network Security, Vulnerability Analysis, Security Automation, Linux, Python Development

Security & Engineering Projects

Athena Shield – Bot Detection Platform 2026

Python, FastAPI, TypeScript, React, Docker

github.com/abdulsalam401/Athena-Shield

- Built a behavioral bot-detection platform using telemetry analysis and honeypot traps
- Implemented anomaly detection pipelines and adaptive threat scoring logic
- Designed scalable microservices architecture and real-time monitoring dashboard
- Developed client-side SDK to capture browser behavioral signals

Post-Quantum Secure Communication System 2025 – Present

Python, Django, OpenQuantumSafe

Research Repository

- Implemented hybrid RSA–Kyber encryption workflows for quantum-resilient communication
- Built cryptographic fallback mechanisms and attack simulation environment
- Evaluated security-performance trade-offs in post-quantum migration

Secure Password Manager (Local Vault + Browser Extension) 2026

Python, Cryptography, Chrome Extensions API

github.com/abdulsalam401/Password-Manager-Chrome-Extension

- Implemented AES-256 encryption, PBKDF2 key derivation, and secure vault architecture
- Built Chrome extension enabling secure autofill and password generation
- Focused on secure storage, attack surface reduction, and usability-security balance

Cryptic Encrypted Communication Platform 2025

Python, Django, AES Cryptography

github.com/abdulsalam401/Cryptic-Secure-Communication

- Developed encrypted messaging and file handling platform with secure key validation
- Implemented symmetric cryptography and protected upload/download workflows

Education

Bachelor of Science in Computer Science

Shaheed Benazir Bhutto University

2022 – Present

CGPA: 3.45 / 4.0 | Expected Graduation: June 2026

Coursework: Network Security, Cryptography, Operating Systems, Data Structures

Technical Stack

Languages: Python, JavaScript/TypeScript, C#, SQL, Bash

Frameworks: Django, FastAPI, React

Security Tools: Nmap, Burp Suite, Metasploit, Wireshark

Platforms: Linux (Kali), Docker, Git, OpenCV, Scikit-learn

Certifications

- Cisco Networking Academy – Cybersecurity & Networking Fundamentals (2025)
- Certified Cybersecurity Educator Professional – Red Team Leaders (2025)
- Forage – Cyber Security Operations Job Simulation (2026)

Languages

English (Fluent), German (Basic), Urdu (Native), Pashto (Native)