



# Shazia Nazir

Security Operations | AI Integration Developer

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📍 Mianwali, Pakistan

🌐 shazianazir12

Design and development of end-to-end security monitoring solutions, integrating web interfaces, Wazuh-based SIEM configuration, and LLM-driven automation. Focused on log ingestion from multiple endpoints, alert generation and classification using machine learning models, and leveraging LLM for threat summarization, IOC extraction, and automated investigation workflows to improve SOC efficiency and reduce alert fatigue.

## EDUCATION

### BS Computer Science

Namal University, Mianwali

3.04

#### Courses

- Web Development & UI/UX Design
- Information Security
- Operating System
- Cybersecurity
- Database Systems
- Machine Learning

## PROJECTS

### AI-Powered SOC Alert Triage Framework

Web Development & AI Integration

*SECOPS: Built a security pipeline using Wazuh, developed an ML model to classify alerts and reduce false positives, integrated LLaMA 3 for summaries, IOC extraction, and investigation steps, and built a dashboard to visualize results and improve SOC analysis efficiency.*

Sep 2025 - Jul 2026

### Semantic Analysis and Knowledge Graph Construction

Researcher

*Conducted research using machine learning techniques for intelligent data representation and relationship extraction.*

Feb 2025 - Jun 2025

### Pharmacy Management System

Web Dashboard & Database

*Built a pharmacy management system using HTML/CSS, Flask, and SQL database with a Figma-designed UI, enabling real-time add, update, and delete operations for customer and medicine records.*

Feb 2024 - Jun 2024

## WORK EXPERIENCE

### Junior Research Associate - CAID Namal

Namal University Mianwali

*Designed brochures, posters, newsletters, and event materials to enhance academic visibility, and contributed to the official CAID portfolio showcasing projects and achievements.*

Oct 2024 - Mar 2026

### Junior UI/UX Design - Savvy Programmers

Intern

*Designed user-friendly web app interfaces in Figma and improved usability through developer collaboration and feedback integration.*

Jul 2025 - Sep 2025

## SKILLS

Wazuh Configuration

React.js

MongoDB

Postgre SQL

Endpoint log ingestion

Threat detection

API integration

User Experience

Prototyping

Web/App User Interface

Figma Proficiency

Adobe Illustrator

## ACHIEVEMENTS

### VSPARK 2025 - 2nd Place

COMSATS University Islamabad, Vehari Campus

*2nd Place at VSPARK 2025 for participating in a web development competition focused on user-centric interface design*

Dec 2025

## ORGANIZATIONS

### Namal University & Tkxel (Industry Partner Collaboration)

Web Development & AI Integration

*Developed in collaboration between Namal University and industry partner Tkxel as part of an academic-industry joint project, focusing on real-world SOC alert triage using Wazuh, machine learning, and LLaMA 3.*

Sep 2025 - Jul 2026

## LANGUAGES

English

Professional Working Proficiency

Urdu

Full Professional Proficiency

## INTERESTS

AI-based Web Development

Cybersecurity

UI/UX Design

Graphic Designing

Problem Solving

Photography

Teamwork