

DILAWER KHAN

Computer Science Student

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📍 Mianwali, Pakistan

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🐙 GitHub



Final-semester student skilled in cybersecurity, and machine learning (ML), with a strong understanding of data analysis, security basics, and programming. Passionate about combining ML and cybersecurity to solve real-world problems, I'm eager to join a forward-thinking cybersecurity team. I plan to use ML to predict threats and cybersecurity skills to protect data, creating effective solutions. Looking for a role that encourages innovation, learning, and growth while addressing tough challenges.

EDUCATION

Bachelors of Computer Science

Namal University Mianwali

📅 09/2021 - Present

CGPA: 3.12/4.0

Relevant Coursework

- Object-Oriented Programming (OOP)
- Data Structures and Algorithms
- Analysis of Algorithms
- Artificial Intelligence
- Information Security
- Operating Systems
- Computer Networks
- Software Engineering
- Machine Learning
- Cyber Security

FSc (Pre-Engineering)

Superior Group of Colleges Mianwali

📅 04/2019 - 05/2021

Marks: 977/1100

PERSONAL PROJECTS

AI Powered Anomaly Detection System using WAZUH and ELK Stack (Final Year Project)[Ongoing]

- Working on development of an AI-based anomaly system using Wazuh and ELK (Elastic Search, Logstash and Kibana)
- Identifying and reporting anomalies in realtime by integrating these tools with custom machine learning models

Enhancing Network Security: A Machine Learning Approach to VPN and Non-VPN Traffic

- Implemented a machine learning solution to classify and differentiate between VPN and non-VPN traffic data
- Utilized various machine learning models to improve classification accuracy
- Paper Under Review in Inderscience Journal

Optical Character Recognition for Urdu Words

- Developed an extensive dataset comprising approximately 300,000 images of Urdu words
- Used CNN focusing on various character lengths and stored in a structured CSV format

SIEM Solution for Threat Detection and Response

- Integrated Wazuh Server, Wazuh Indexer, Wazuh Dashboard, VirusTotal and Grafana
- Implemented real-time threat detection and response capabilities

Fake News Detection System (NLP)[Ongoing]

- Developing a fake news detection system using NLP techniques
- Implementing different machine learning models based on content severity
- Applying text classification and sentiment analysis methods

WORK EXPERIENCE

Freelance

Fiverr

📅 01/2024 - Present

- **Machine Learning Projects**
 - Provided end-to-end support for machine learning projects
 - Handled data preprocessing, model optimization and Python code issues
 - Assisted clients in implementing and fine-tuning machine learning models

SKILLS

Python Git/GitHub Machine Learning

TensorFlow Scikit-Learn Pandas

NumPy Keras Deep Learning

Artificial Intelligence MySQL

Linux Cisco Packet Tracer Networking

Cybersecurity WAZUH ELK Stack

CERTIFICATIONS

Foundations of CyberSecurity (Coursera)

- Introduces cybersecurity roles, skills, and history.
- Covers key frameworks, tools, and ethics.
- Builds foundational threat recognition and security basics.

ACHIEVEMENTS

Inter University Codex Competition (Runner-Up)

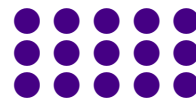
- Secured second place by excelling in coding and teamwork under tight deadlines.

LANGUAGES

Python

C++

SQL



Professional Proficiency in above languages