



Amina Ahmad
ML and Cybersecurity Enthusiast

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A strong interest in computer science combined with forward thinking and curiosity drives me to study the fusion of artificial intelligence and computer vision and cybersecurity. My solid understanding of Python combined with machine learning knowledge enables me to combine disruptive technology solutions with practical needs.

EDUCATION

Bachelor of Computer Science

Namal University, Mianwali

09/2021 - Present

3.21/4.0

Courses

- | | |
|----------------------------|------------------------------|
| - Software Engineering | - Computer Networks |
| - Digital Image Processing | - Machine Learning |
| - Artificial Intelligence | - Database Systems |
| - CyberSecurity | - Information Security |
| - Computer Vision | - Human Computer Interaction |

F.Sc. Pre-Engineering

Superior Group of Colleges Mianwali

04/2019 - 08/2021

1075/1100

Matric

GGHS Civil Station of Mianwali

03/2017 - 04/2019

1014/1100

PROFESSIONAL EXPERIENCE

Teaching Assistant

Computer Science Department / Namal University of Mianwali

08/2024 - Present

Achievements/Tasks

- Assisted with administrative tasks, grading, and course material organization and provide support for departmental activities and student queries.

Decor Head

CBS Society, Namal University

09/2023 - 05/2024

Achievements/Tasks

- Led team of 8 for event planning and decoration and mentored junior members, building next-gen leadership

SKILLS

Pandas

NumPy

Scikit-learn

TensorFlow

Wazuh

OpenCV

UI/UX Design

Data Cleaning and visualization

SIEM Solution

Grafana

PERSONAL PROJECTS

Honeybee Health Detection and Population Analysis (Final Year Project) (09/2024 - Present)

- Developed an AI system using image processing to detect honeybee health issues and assess colony strength.

eBPF-based Intrusion Detection System (04/2023 - 06/2023)

- Developed an eBPF-based IDS for real-time, low-overhead system and network threat detection at the kernel level.

Urdu OCR Implementation (05/2024 - 07/2024)

- Developed an OCR system for Urdu text and generate Urdu text output.

Climate Change Analysis (04/2024 - 07/2024)

- Performed time series analysis on climate data, predicting temperature trends using regression and ARIMA models.

CERTIFICATES

Python – SoloLearn (10/2021 - 02/2022)

Machine Learning (04/2023 - 06/2023)

LANGUAGES

Python

Full Professional Proficiency

MySQL

Full Professional Proficiency

INTERESTS

Tech Trends

Problem Solving

Reading