

Aleena Sehar

Data Scientist

Computer Science undergraduate passionate about building smart tech solutions with a focus on AI, cybersecurity, and emerging technologies.

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EDUCATION

FSC(pre-engineering)

Punjab group of colleges

2019 - 2021

BSCS

Namal university mianwali

11/2021 - 06/2025

PERSONAL PROJECTS

AI-Driven Health Monitoring System (FYP)

- Integrated wearable sensors for real-time patient monitoring.
- Trained anomaly detection models for health scoring.

Wazuh SIEM Implementation

- Set up Wazuh stack for centralized log monitoring and alerting.

TCP/UDP Chatroom

- Created terminal-based multi-client chat using TCP/UDP.

Movies Data Analysis

- Used regression to analyze and visualize movie trends.

"Pakistan Aisa Kiun Hai" Analysis

- Explored 150+ countries' data to analyze Pakistan's global position.

SocialSphere – A Python-Based Social Media System

- Developed a full-stack social media platform using Python for frontend and backend.
- Enabled user features such as posting, liking, and managing friend connections.

Cybersecurity Trends in Quantum Computing

- Explored evolving risks and opportunities at the intersection of quantum computing and cybersecurity.
- Reviewed current encryption methods in light of post-quantum cryptographic challenges.

CUDA: Exploring the Power of Parallel Computing

- Investigated GPU-based parallel programming using CUDA for accelerating computational tasks.
- Studied real-world applications and compared performance benefits over CPU execution.

WORK EXPERIENCE

Teacher

Namal society for social impact

10/2022 - 02/2023

SKILLS

opencv

scikit-learn

Git/Github

python

html

Css

javascript

Reactjs

Sql

C++

Machine Learning

Keras

Tensor flow

CERTIFICATES

Govt girls high school (03/2023 - 04/2023)

volunteered as a science teacher to a local school

IEEE WIE International Leadership Summit(Certificate of Participation) (12/2022)

for attending and participating in different activities oof the two days IEEE summit

Namal Society for social impact(certificate of Appreciation) (01/2023)

in the recognition of outstanding performance within Education wing

LANGUAGES

Urdu

Full Professional Proficiency

English

Full Professional Proficiency

Spanish

Elementary Proficiency

INTERESTS

Machine Learning

Cybersecurity

Quantum computing

UI/UX