



Zar Khanam

Software Engineer

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Mianwali, Pakistan

High-achieving computer science student with expertise in cybersecurity and AI/ML. Proven track record of academic excellence and soft skills. Published research paper by IEEE, demonstrating technical proficiency and ability to contribute to the advancement of technology. Seeking to leverage skills and passion for innovation in a dynamic industry role.

EDUCATION

Bachelor of Computer Science Namal University Mianwali

10/2020 - Present

3.89

Courses

- OOP
- Artificial Intelligence
- Machine Learning
- Information Security
- Data Structures
- Analysis of Algorithms
- Software Engineering
- Cyber Security

WORK EXPERIENCE

Intern

Valyrian Systems Inc.

05/2023 - 09/2023

Remote

Achievements/Tasks

- Experienced a shift from Windows to Linux and gained valuable insights and skills on practical use of it.
- Became proficient in the practical application of Wireshark for traffic monitoring and in-depth analysis.

Student Ambassador Tkxel

08/2023 - Present

Remote

Achievements/Tasks

- Coordinated events, guided peers, and promoted Tkxel's industry-academia collaboration, fostering connections and opportunities for fellow students.

Career-Prep Fellow Amal Academy

08/2023 - 10/2023

Remote

3-month PepsiCo and Stanford University Career Prep Fellowship.

Achievements/Tasks

- Invested 150 hours honing essential business skills, including teamwork, communication, presentation, and problem-solving.

Operational Manager

Skills Development Society Namal

2020 - 2023

Achievements/Tasks

- Organized Seminars, Webinars and trainings
- Helped Students polish their skills
- Improved my management skills

SKILLS

Python

Django

Tensorflow

Scikit-Learn

OpenCV

Problem-solving

Linux

Database Manipulation

Cisco Packet Tracer

Latex

Git/GitHub

Bash Scripting

Basic HTML, CSS & Java Script

MySQL

Adobe XD

Figma

Canva

Communication

PERSONAL PROJECTS

SIEM Solution (FYP)

- Developing a **cyber-security threat detection and mitigation system** to be deployed in a network to monitor the activities of all the devices in that network.

Gender Prediction through Voice (06/2023 - 07/2023)

- Implemented multiple machine-learning algorithms including after **feature extraction** and did a comparative analysis of their performances for Gender Prediction

Handwritten Number Image classification (01/2023)

- A machine learning multi-class classification project to identify Roman numbers. I extracted HOG features and used Multi-Layer Perceptron (MLP) for making predictions using **Scikit-learn**.

Facemask Detection (11/2022)

- Implement classification algorithm to solve binary classification problem using **Python and TensorFlow**.

CERTIFICATES

Connect and Protect: Networks and Network Security - Coursera - Google (02/2024)

Supervised learning: Machine learning Course - Coursera - Stanford (02/2023)

Solo Learn (04/2023)

Data wrangling using Slice N Dice: Training on Data Wrangling using Slice N dice - University of Glasgow (02/2021)

LANGUAGES

English
Full Professional Proficiency

Urdu
Full Professional Proficiency