Laiba Fatima
Computer Science

Driven Computer Science student with expertise in AI, machine learning, and data analysis. Experienced in developing solutions in network security, NLP. Seeking opportunities to apply technical skills and contribute to innovative AI-driven projects.

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Toba Tek SIngh 📍

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EDUCATION

Bachelor of Computer Science
Namal University, Mianwali

11/2021 - Present   *3.2*

Courses

- OOP
- Discrete Structures
- Analysis of Algorithms
- Machine Learning
- Cyber Security
- Data Structures
- Database Management
- Artificial Intelligence
- Information Security
- Computer Vision

WORK EXPERIENCE

Machine Learning Intern
Neurog, Islamabad

07/2024 - 09/2024

Achievements/Tasks

- Implemented a robust face detection algorithm, significantly improving real-time facial recognition accuracy for various applications.
- Collaborated with cross-functional teams, optimizing algorithms for real-world deployment and ensuring seamless integration into existing systems.

Python Programmer
Fiverr

05/2022 - Present

Achievements/Tasks

- Consistently maintained a 5-star rating, receiving flawless positive reviews, reflecting exceptional performance and customer satisfaction

Teacher Assistant
Namal University, Mianwali

02/2024 - Present

Achievements/Tasks

- Serving as QCR TA inspires interactive learning and critical academic excellence.
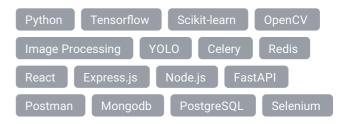- Coordinating FYP work, refines my strategic project management.

Contact : Dr. Shahzad Arif - +92 307 7694077

ORGANIZATIONS

LDS Society Namal University (02/2022 - 06/2022)
General Secretary

SKILLS

Python | Tensorflow | Scikit-learn | OpenCV | Image Processing | YOLO | Celery | Redis | React | Express.js | Node.js | FastAPI | Postman | Mongodb | PostgreSQL | Selenium

PROJECTS

Smart Minutes of Meeting Generation (FYP) (09/2024 - Present)
- Web app that automates transcription, speaker diarization, and document generation using NLP and speech-to-text.

eBPF-Based Intrusion Detection System
- Designed and implemented an eBPF-based IDS capable of detecting and classifying network attacks.

Real-Time Face Recognition System Using YOLOv9
- Developed a real-time face recognition system during internship using YOLOv9 for accurate and fast detection.

SIEM Solution using Wazuh
- Implemented a Security Information and Event Management solution utilizing Wazuh, demonstrated end-to-end data flow from endpoint collection to central monitoring.

Automated Token Sniping and Verification Bot Using Selenium and Telegram
- Built a real-time bot that monitors token listings, extracts data, and verifies conditions using Selenium and Telethon.

Telegram Onboarding Bot for AviationFX Auto-Trading Platform
- Developed an interactive Telegram bot to automate user onboarding, account setup, and subscription verification for AviationFX.

Urdu Fonts Identifier
- Created a solution to address linguistic computing challenges in Urdu typography

CERTIFICATES

Convolutional Neural Networks for Visual Recognition (Stanford University - CS231n)

Hugging Face - Practical Deep Learning for Coders

LANGUAGES

English
Full Professional Proficiency

Urdu
Full Professional Proficiency