



Muhammad Farhan Khan

Software Engineer

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Mianwali, Pakistan

Computer Scientist to be, Python Developer, Machine Learning Enthusiast, Web Scraper, Life long learner

EDUCATION

BS Computer Science Namal University, Mianwali

Courses

- Introduction to Computer Science
- Data Structures
- Database
- Object Oriented Programming
- Analysis of Algorithm
- Artificial Intelligence

PERSONAL PROJECTS

FYP - Legal Document Analyzer [Django Framework, Langchain, LLMs]

- Django and source-based LLM based Web Application
- Fine-tuned Open Source LLM
- Authentication
- Open Source Models Integration

Image Template Matching using Genetic/Evolutionary Algorithm

- Followed Evolutionary Algorithm Methodology for doing Template Matching (Finding Small Image Portion from Big Image)

Face-mask Detection using ANN, CNN and web interface backed by Python-Django

- Build a Web Application using Django
- Trained Model that can do Face Mask Detection

Python interface for a minimal chat-bot using Prolog and Python (pyswip)

- Worked with Prolog (Programming in Logic) to build a simple chatbot that answers queries regarding family tree

Efficient Search Engine to store and search strings implemented in Python "tree" data structure and tkinter

- Worked on building a search engine utilizing the concepts of Data Structure (Trees)

WORK EXPERIENCE

Intern [Python, Scrapy] Arbisoft

08/2023 - 10/2020

Achievements/Tasks

- Build Scrappers using Scrapy Framework
- Build a project using Flask and Scrapy
- Focused on writing Clean Code using PEP-08 conventions

SKILLS

Scrapy

Python

Flask

ML

NLP

Deep Learning

LLMs

Beautiful Soup

Selenium

Life Long Learner

Creativity

Team work

Cross Cultural Communication

Problem Solving

ACHIEVEMENT

Namal Merit-based Scholarship (2020 - 2024)

PEEF Scholarship (07/2018 - 07/2019)

Got PEEF Scholarship on the basis of F.Sc (Part I) marks

Prime Minister Laptop Scheme (2017)

Got Laptop from Prime Minister Scheme on the basis of Matric Marks

CERTIFICATES

CESD Virtual Internship Program | Namal University
Mianwali (07/2022)

CRISSCROSS BITS, Programming Competition | PIEAS
(12/2021)

Data Wrangling Hackathon | University of Glasgow
(02/2021)

LANGUAGES

English
Full Professional Proficiency

Urdu
Full Professional Proficiency

INTERESTS

Web Scraping

ML

Data Analysis and Visualization

Web Development