MUHAMMAD ALLAH RAKHA
DATA SCIENTIST | DATA ENGINEER

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AUTHOR (BOOKS)

Book_1: Programming In 15 Language.
Book_2: Programming In Elixir Language.
Book_3: Programming In Fortran-90 Language.

PROFESSIONAL EXPERIENCE

Artificial Intelligence, Machine, and Deep Learning
Natural Language Processing and Computer Vision
Probability, Statistics, and DataStructure (Algorithms)
DataBase, Operating System, and Computer Networking

PROGRAMMING AND DATABASES AND SOFTWARE TOOLS

- Python
- R
- Julia
- SAS
- PHP
- Java
- Ruby
- Rust
- C++
- C
- SQL
- Go
- MySQL
- MongoDB
- MariaDB
- SQL
- Erlang/Elixir
- Fortran-90
- JavaScript
- Flask/Django
- AWS
- Azure
- GitHub
- Docker

BIG DATA FRAMEWORKS

- Hadoop
- Spark
- HDFS
- Mahout
- Map Reduce
- Tableau
- PowerBI
- Zookeeper
- Hive
- Pig
- Flume
- Avro
- Sqoop
- HBase
- YARN
- Storm

PYTHON AND R LIBRARIES/API

- TensorFlow
- Open CV
- Matplotlib
- Web2py
- PyTorch
- SciPy
- Selenium
- Ggraph
- Keras
- Scikit Learn
- Theano
- Scikit Image
- Pandas
- Numpy
- ScraPy
- Seaborn
- Ggplot2
- Plotly

PROFESSIONAL PROJECTS

MACHINE LEARNING (PYTHON, R)
- LIFE EXPECTANCY PREDICTION
- BREAST CANCER ANALYSIS
- TWITTER SENTIMENT ANALYSIS
- DETECTING PARKINSON'S DISEASE
- DETECTING FAKE NEWS
- CUSTOMER SEGMENTATION

DEEP LEARNING (PYTHON, PYTORCH)
- IMAGE CLASSIFICATION
- CONVOLUTIONAL NEURAL NETWORKS
- CNN AND LSTM HYBRID MODEL
- DATA AUGMENTATION NOISE MNIST IMAGES
- ADVERSARIAL NETWORK ATTACK MNIST IMAGES

DATA ANALYSIS (PYTHON)
- WORLD HAPPINESS REPORT
- FRAMINGHAM HEART STUDY-COHORT (FHS-COHORT)

DATA VISUALIZATION (PYTHON, TABLEAU)
- NETFLIX DATA VISUALIZATION
- CAPITAL BIKE-SHARE
- LINKED-IN AND COIN-GECKO WEBSITE
- ZILLOW REAL ESTATE WEBSITE

WEB SCRAPING (PYTHON)
- WEB SCRAPING SITE (HTTPS://WWW.THESTAR.COM.MY)

ARTIFICIAL NEURAL NETWORK (PYTHON): PERCEPTRON NEURAL NETWORK
NATURAL LANGUAGE PROCESSING (PYTHON): TEXT CLASSIFICATION NLP
NATURAL LANGUAGE PROCESSING (PYTHON): WORD ASSOCIATION AND MUTUAL INFORMATION NLP
BIG DATA (HADOOP): HADOOP & HADOOP ECOSYSTEM (LINUX)
PARALLEL AND DISTRIBUTED COMPUTING: MPI AND OPENMP (LINUX)
NVIDIA CUDA GPU: NVIDIA CUDA GOOGLE COLAB

EDUCATION BACKGROUND

FAST-NUCES UNIVERSITY PESHAWAR CAMPUS
Bachelor of Computer Science (BCS-4 year)
Year : 2019 - 2023

KIPS COLLEGE GARDEN TOWN LAHORE
Intermediate of Computer Science (ICS-2 year)
Year : 2017 - 2019

COUNTRY LANGUAGES

Saraki	(Native or Bilingual Proficiency)
Urdu	(Full Professional Proficiency)
English	(Limited Working Proficiency)
Deutschland	(Limited Working Proficiency)

INTERESTS AND SKILLS

Reading	Communication Skills
Sports	Data Analysis
Traveling	Attention To Detail
Programming/Coding	Creativity/Management
Artificial Intelligence	Development/Deployment