

Hamza Irfan

Data Scientist & Analyst | ML+NLP Engineer

I am a Data Scientist with hands-on expertise in Machine & Deep Learning as well as Natural Language Processing. As a **plus point**, I have multi-domain knowledge specifically in the domains of **Cyber Security, Power Electronics, Artificial Intelligence, & the Internet of Things**. My prior working experience is around 1 year, comprises of as a Front End Developer using React JS, as well as a Freelance Data Scientist. Now, I am looking for a challenging environment where I could hone my skills and grow as a professional.

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EDUCATION

BS (Electrical Engineering)

FAST NUCES, Lahore.

08/2017 - 09/2021

Courses

- OOP , Data Structures & Algorithms
- Control Systems, Internet of things, Microprocessors interfacing
- Linear Algebra, Probability, Complex Variables

Career Advancement Track

AL NAFI

02/2022 - 01/2023

Courses

- Data Science with Python, Exploratory Data Analysis
- Machine & Deep Learning, NLP, Computer Vision
- CISSP preparation, ISO & NIST frameworks

PERSONAL PROJECTS

-> Anomaly Detection using LSTM Auto-encoder

- Using Tensorflow & Keras frameworks.

-> ChatGPT style Custom Knowledge Chatbot with LlamaIndex

- Using multiple Data loaders from LlamaHub

-> Multi-Class Image Classifier using Convolution Neural Network

- Accuracy improvement using Data Augmentation techniques.

-> Sentimental Analysis for Restaurant Reviews using Natural Language Processing.

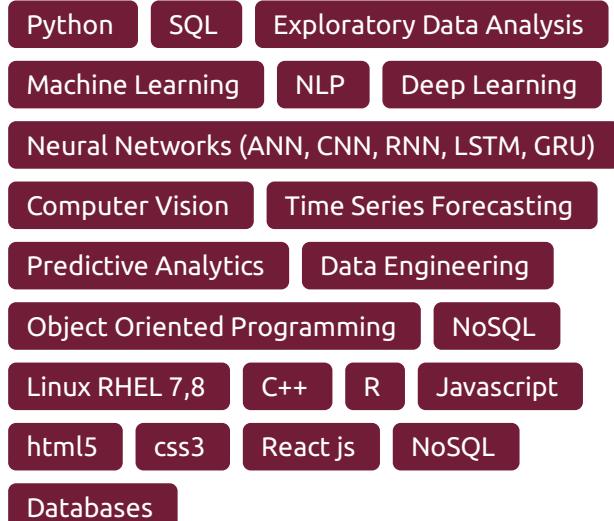
-> Market Basket Optimizer using Apriori algorithm for a Super store.

-> Churn modeling of Bank Customers/Users using Artificial Neural Network.

-> Real Estate Price Prediction Model

- Python Flask Server for backend, html, css, js for UI.
- Multiple statistical ML models with Hyperparameter tuning.

SKILLS



WORK EXPERIENCE

Data Scientist (09/2022 - Present)

Working as a Freelance Data Scientist. Completed multiple projects in the domains of Machine Learning, Natural Language Processing, and Deep Learning.

Web Developer (01/2023 - 04/2023)

Worked with "Radibix" as a developer, mainly on ReactJS alongwith html5, css3, & javascript. Moreover, worked on Python API development using FastAPI.

TOOLS

