Hamza Mustafa
Data Scientist

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As a data scientist with expertise in Machine Learning and Deep Learning, I am passionate about leveraging data to drive insights and solve complex problems. With a strong background in computer science, statistics, and data analysis, I have spent years developing my skills in these cutting-edge technologies.

SKILLS

Tools and Languages	C/C++, Python, Git, LaTeX, MarkDown
Quantitative Research	Model optimization, Model Modeling, Deep Learning, Machine Learning,Data Science
Modules Packages	Pandas, Numpy, Tensorflow, Keras, Scikit-learn, Matplotlib, Seaborn,NLTK,Gensim,Pattern

TECHNICAL EXPERIENCE

Graduate Researcher   **June 2022 — Present**
National University of Computer and Emerging Science   *Lahore*

- Developed a research strategy to address a complex research problem and identified possible solutions
- Drafted research papers for publication in peer-reviewed journals and presented research findings at international conferences
- Conducted a literature review to identify the latest research in a field of study, allowing for more informed decision making on the research project

Freelance   **June 2021 — Present**

- **Deep Learning**, *Object Detection, Recognition,Segmentation,Anomaly Detection and Classification*
- **Machine Learning,***Prediction,Extraction,Regression,Recommendation and Classification*
- **Data Science,***Data Analysis,Data Exploration,Data Transformation and Modeling*
- **NLP,***Sentiment Analysis,Information Extraction, Summarization, word embedding*
- **Big Data,***Segmentation and Prediction,Churn Prediction,Operational Analysis,Sentimental Analysis , Recommender Systems*

Internship
NutriPharm International   Sep'20-Oct'20
Career Services and Corporate Linkages (UOL)   Jan'20-Feb'20

- Conduct Research and Analysis.
- Data Management.
- Creating and maintaining Documentation.
- Attending team meetings, brainstorming sessions, and project discussions to contribute ideas and insights.
- Participating in the deployment and maintenance of software applications.
- Effectively communicating with team members and other stakeholders to provide progress updates, discuss challenges, and coordinate efforts.

EDUCATION

Master of Sciences in Data Science, *National University of Computer and Emerging Science*   2021 — 2023

- **Breast Cancer Detection by Deep Learning (DeepMIA Lab, Bogazici University,Turkey)**

Bachelor of Computer Science, *University of Lahore*   2016 — 2020

- **Citrus Yield Estimation by Faster RCNN (Robotics Research Lab, University of Kaiserslautern,Germany**

Intermediate(Pre-Enginering), Punjab College   2013 — 2015
O-Level, Lahore Grammar School   2010 — 2013

PROJECTS

Facial Emotion Detection
Attendance using Face Recognition
Face Mask Detection
Social Distancing Dashboard
More Projects at Github.

PUBLICATION

Automatic Invasive Ductal Carcinoma Detection Using Convolutional Neural Networks *International Conference on Computing Emerging Technologies (ICCET),May,2023*