MUHAMMAD ABUZAR

Data Scientist

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SUMMARY

I am an accomplished data scientist with a deep understanding of computer science and a strong aptitude for harnessing the power of data to drive insightful solutions. With a diverse skill set encompassing a range of machine learning methodologies and programming languages, I have a proven track record of delivering impactful projects. By collaborating closely with multidisciplinary teams, I have successfully developed and deployed highly accurate models. I am driven by a relentless pursuit of knowledge and a genuine desire to leverage technology for positive change, making me a valuable addition to the field of data science.

SKILLS

Programming Languages:	Python, R, SQL, HTML, CSS, bootstrap, JS, PHP, C++
Technologies:	Pandas, Numpy, Matplotlib, Seaborn, Ploty, Scikit-learn, Data visualization, Modeling, Machine Learning, Deep Learning, NLP, OOP, Excel, Git
Communication Collaboration Tools:	Jupyter Notebook, Anaconda, Slack, Discord and Zoom Meeting which are commonly used for collaboration, documentation, and project management.

PROJECTS

Data Analysis — **Data Analysis on Billionaires Statistics(2023)**   **Project link**

In the "Data Analysis on Billionaires Statistics (2023)" project, I used Python's data visualization libraries to analyze and visualize wealth distribution, industries, geographical distribution, self-made vs. inherited wealth, gender representation, age, top wealthy individuals, and wealth disparities among billionaires.

Machine Learning — **House Prediction With Advance Regression in R**   **Project link**

In the "House Prediction With Advanced Regression in R" project, I used advanced regression techniques to accurately predict house prices. This involved data analysis, preprocessing, and the implementation of various regression algorithms, with performance evaluation using metrics like MSE and R-squared.

FYP — **Auto-Eessentials**   **Private**

Auto Essentials is an innovative e-commerce platform for auto parts, offering features like tire health prediction, an NLP-powered chatbot, and personalized lubricant recommendations. With a focus on quality, scalability, and user support, Auto Essentials sets industry benchmarks for car owners with its comprehensive product range and top-notch vehicle maintenance capabilities.

EDUCATION

10/2020 - 2024 — **COMSATS University Islamabad**   **University**

Bachelor's in Computer Science: Gaining comprehensive knowledge in programming, algorithms, and problem-solving, preparing for real-world challenges.

05/2022 - 10/2022 — **Machine Learning**   **NIAIS**

During my tenure at NIAIS from May 2022 to September 2022, I gained valuable experience in machine learning, developing a strong foundation in the field. This opportunity allowed me to enhance my skills and broaden my understanding of machine learning techniques and applications.

11/2022 - 4/2023 — **Advance Machine Learning**   **CampusX**

During my time at CampusX from December 2022 to March 2023, I furthered my knowledge and skills in advanced machine learning. This experience provided me with hands-on training and exposure to cutting-edge techniques and algorithms in the field of machine learning.

5/2023 - 9/2023 — **Deep Learning**   **CampusX**

At CampusX, from April 2023 to June 2023, I focused on deep learning, expanding my expertise in this specialized area of machine learning. Through immersive training and practical projects, I gained a comprehensive understanding of deep learning architectures, algorithms, and their applications in various domains.

10/2023 - Continue — **Natural language processing**   **CampusX**

Since joining CampusX in October 2023, my active involvement in natural language processing (NLP) has provided me with valuable opportunities to explore the nuances of NLP techniques. Through hands-on projects and research, I have gained in-depth knowledge in developing sophisticated models and applications that effectively process and analyze diverse forms of human language data. This ongoing experience has not only enhanced my expertise in NLP but also strengthened my problem-solving abilities and critical thinking skills in the field.

EXPERIENCE

11/2022 – 7/2023   **Machine Learning Internship**   **NIAS**

- Machine Learning Intern at NIAS, contributing to projects, developing and implementing ML models, and gaining hands-on experience with Python, TensorFlow, and scikit-learn. Strong teamwork, communication, and knowledge of industry trends.

  `Python  /  Machine Learning`

8/2023 – 10/2023   **Data science Virtual Internship**   **CodSoft**

- As a Data Science Virtual Intern at CodSoft from August 2023 to October 2023, I gained practical experience in data science. I worked on various projects, applying data analysis and machine learning techniques, and honed my skills in Python, data preprocessing, modeling, and visualization.

  `Feature Engineering  /  Data Visualization`

LANGUAGES

English - Professional Working, **Urdu** - native