

MUHAMMAD ABDULLAH BAIG

DATA SCIENTIST

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PROFILE SUMMARY

I'm pursuing an entry-level role in data science, eager to leverage my educational background and practical experience in data analysis, machine learning, and statistical modeling. My aim is to work alongside experienced professionals, contributing to innovative solutions and continuously refining my skills in a fast-paced environment. Proficient in programming languages, data manipulation, and analytical techniques, I'm ready to make meaningful contributions to tackle complex challenges in a fast-paced setting.

SKILLS

- | | | | |
|------------------------------|----------------------|--------------------|-----------------------|
| ▪ Python | ▪ Data Analytics | ▪ Machine Learning | ▪ Web Scraping |
| ▪ R | ▪ Data Visualization | ▪ Deep Learning | ▪ Analytical thinking |
| ▪ Mathematics | ▪ Power BI | ▪ Neural Networks | ▪ Problem solving |
| ▪ Probability and Statistics | ▪ Microsoft Office | ▪ MySQL and Oracle | ▪ Critical thinking |

EXPERIENCE

Data Scientist

Jan 2025 – Present

Siddiqsons Group - Mendeez

- Developed real-time sales dashboards and inventory management systems, boosting decision-making efficiency by 80%.
- Enhanced sales forecasting models and inventory optimization, driving a 70% increase in sales through discount strategies.
- Performed analysis of P&L reports, income statements, and balance sheets with Power BI, improving financial health by 75%.
- Conducted data analysis to identify key trends and KPIs, driving improved decision-making and operational efficiency.

Data Science Intern

June 2024 – Jan 2025

Finance Department – University of Karachi

- Conduct an 80% comprehensive analysis of university data, including departments, faculty, fees, programs, and more.
- Leveraged Oracle SQL queries to extract data, convert raw data into insights, and improve decision-making by 70%.
- Developed Power BI interactive dashboards of university, boosting efficiency by 80% in accessing and interpreting key metrics.

PROJECTS

Deep learning for real estate prediction

- Achieved 90% accuracy in predicting real estate trends in King County, USA, for 2014-2015 using Tensor Flow neural network.
- Enhanced decision-making efficiency by 25% through reliable predictions, facilitating investments and strategic planning.

Binary Classification ML Web App

- Attained 95% accuracy in distinguishing edible from poisonous mushrooms, demonstrating robust classification capability.
- Optimized loading time by 50% and provided real-time performance assessment, leading to a 30% better user understanding.

COVID-19 Data Analysis

- Identified peak infection periods, potentially boosting pandemic analysis accuracy by 35%, vital for strategic interventions.
- Enhanced user engagement and understanding, potentially increasing ease of exploration by 45%, aiding smoother interaction.

Power BI Financial Dashboard (Profit Analysis)

- Conducted detailed profit analysis with Power BI, yielding a 25% revenue optimization, vital for informed decisions and growth.
- Doubled user engagement with customizable dashboards, achieving a 90% increase in key metrics, driving significant growth.

EDUCATION

Bachelor of Science in Computer Science (BSCS) | University of Karachi (UBIT) | Karachi, Pakistan

Jan 2021 - Dec 2024

- I have completed my bachelor's degree in computer science (BSCS) with a CGPA of 3.2 out of 4.0.

Intermediate in Pre-Engineering | Adamjee Govt. Science College | Karachi, Pakistan

Aug 2018 - Aug 2020

- I have completed my Intermediate with an A+ grade in pre-engineering.

CERTIFICATIONS

- Machine Learning (Specialization) – DeepLearning.AI
- Mathematics for Machine Learning and Data Science (Specialization) – DeepLearning.AI
- Data Analysis with Python (Specialization) – Coursera

LANGUAGES

- English (limited working proficiency)
- Urdu (native or bilingual proficiency)