KHUZAIMA HASSAN

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SUMMARY

Data Science Enthusiast with a strong foundation in Python, SQL, and Data Structures. Skilled in implementing efficient algorithms, designing databases, and applying object-oriented programming principles. Adept at data visualization with Power BI and machine learning with Scikit-learn.

PROJECTS

Real State Management System, Database Management System

- Designed and Implemented a database using MySQL server ensuring efficient data storage, retrieval, and management of property information.
- Utilized SQL queries and database normalization techniques to optimize the system's performance and maintain data integrity across transactions.

Crop Management System, Data Structures and Algorithms

- Designed and implemented an efficient crop management system using data structures like linked lists, queues, and stacks.
- Integrated search and sorting algorithms for easy access to crop data, ensuring fast retrieval and updates.

Shopping Management System, Object Oriented Programming

- Built a shopping management system using OOP principles, focusing on modularity and reusability of code.
- Applied inheritance, polymorphism, and encapsulation to enhance system maintainability and scalability.

EDUCATION

Data Science Undergraduate, NED University   Sep 2022 - Present

- CGPA: 3.815
- Built projects like Shopping/Real State Management, Games, and Object Detectors in Python.
- Participated in AI Paradox Competition for Time Series Forecasting.

Intermediate, Adamjee Govt Science College   Aug 2020 - Jul 2022

- A-1 grade with 93.51% marks.

Matriculation, Usman Public School   April 2018-Jul 2020

- Awarded consecutive shields for achieving A+ grades in all subjects.
- Actively involved in cricket tournament at the school level.

TECHNICAL SKILLS

- **Python**: Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn.
- **SQL**: Database design, Query optimization, Joins, Indexing, CRUD operations.
- **C++**: Object-Oriented Programming, Data Structures (Linked Lists, Trees, Graphs).
- **Power BI:** Data visualization, Dashboard creation, Data modeling

CERTIFICATIONS

- Python for Data Science, AI and Development: **Coursera**
- Data Analyst in SQL: **DataCamp**
- Machine Learning Scientist in Python: **DataCamp**
- Power BI Fundamentals: **DataCamp**

LANGUAGES

- **English**: Professional working proficiency
- **Urdu**: Native or bilingual
- **German**: Elementary proficiency