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EDUCATION

Lahore University of Management Sciences (LUMS)

BS Computer Sciences

Relevant Courses: OOP, Operating Systems, Data Structures, Network-Centric Computing, Blockchain, Advanced Programming, Machine Learning, Data Science, Database, Software Engineering.

Certifications/Trainings

- Web Development certification from Intuitive courses by Rohan.
- "Using Python to Access Web Data" by [University of Michigan](#).

EXPERIENCE

House Head - The Educators

2017 - 2018

- Remained house head of Discipline for a year.
- Worked for students' progress and well being in the house.

Event Head - LUMS Literary Society

2022 - Present

- Currently, I'm event head for Bethak- LLS flagship event.
- Happens every month where we invite people all the over university to showcase their literary skills.

Research Intern - CSaLT LUMS

2023 - Present

- I am conducting research in ML in [Dr Agha's](#) Lab.
- It revolves around machine learning models for investigation lab.

Recent Projects

UNO - [View Code](#)

2023

- Made UNO game, playable with up to four players
- Implemented using Typescript (frontend+backend) and Vanilla CSS
- [Socket.io](#) is used for real-time communication between client and server

Eat@LUMS - [View Code](#)

2023

- A group project where we built a food delivery app for eatries at LUMS
- We used combination of Agile and Plan driven model
- It is implemented using MERN Stack
- Students can get their food delivered at their dorm without waiting in long queues
- Any Student can deliver the food and can charge for it

Sindh Dataset - Data Science - [View Code](#)

2023

- A group project where we explored [Sindh Education Dataset](#)
- We try to answer various questions, some of them were:
 - Are there gender differences in enrollment rates, teacher-student ratios, or education quality?
 - Are there any infrastructure gaps that need addressing to enhance enrollment rates?
- It includes EDA followed by Data Cleaning.
- Made a machine learning model to predict the students enrollment given the school facilities.

Technologies

- **Languages:** Javascript, Typescript, Python, SQL, PHP, Haskell, C/C++.
- **Tools & Libraries:** ReactJS, Redux, ExpressJS, NodeJS, Tailwind.
- **Databases:** MySQL, MongoDB, Firestore.
- **Cloud & Deployment Tools:** AWS EC2, Nginx, Firebase.
- **ML and Data Science libraries:** Pandas, Sklearn, Numpy and Matplotlib.

EXTRA & CO-CURRICULAR ACTIVITIES

- Event head for Bethak - LLS flagship event.
- Headed the 2022 orientation of LUMS Literary Society.
- Coordinated with 2 colleagues and arranged a Scavenger hunt for fellow students.

INTERESTS

- Software Engineering, Machine Learning, Chess.