MUHSIN Raza

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PERSONAL INFO

I am a student of Fast NUCES Islamabad, currently pursuing a bachelor's in computer science. I'm passionate about coding and have a keen interest in development. I have experience in programming languages such as Java, Python, and C++. I have successfully completed various projects, showcasing my proficiency in Python and my enthusiasm for data science. I am a quick learner with excellent problem-solving skills and enjoy taking on new challenges.

EDUCATION

FAST National University of Computer and Emerging Sciences — **Islamabad, Pakistan**
Bachelor's Computer Science — Aug 2020 - May 2024

EXPERIENCE

FYP in Collaboration with UpStart Commerce —---------- **Islamabad, Pakistan** — **Aug 2023 - May 2024**

- Gained invaluable hands-on industry experience that has equipped me with practical skills and insights
- Engaged in my Final Year Project, concentrating on designing architecture tailored to the specific needs of the company to fulfill the requirement.

Intern Rak Services —---------- **Islamabad, Pakistan** — **May 2023 - July 2023**

- Development and Maintenance of a REACT application.
- Managing backend utilizing ORACLE database facilities.

CERTIFICATES

HTML, CSS, JavaScript by Johns Hopkins University — **July 2022**

- Learned how to design websites that are both a visually appealing interface and enhance customer experience. Also help me unleash my creativity and design creative interfaces.

MICROSOFT CERTIFIED: AZURE FUNDAMENTALS — **June 2023**

- Developed knowledge of cloud concepts, cloud architecture and services, and cloud management and governance.

SKILLS

Programming Languages:	Python, Dart, Java, C/C++, C#, HTML, CSS, JavaScript
Frameworks:	Flask, PyTorch, JavaFX
Tools:	Android Studio, Visual Studio, Oracle, Microsoft SQL Server, Linux, Git

PROJECTS

Caption Craft *Hugging Face, Python, Flutter* — **Aug 2023 - Present**

- Utilized diverse captioning models including BLIP, BLIP2, and CLIP for the initial phase of content generation.
- Applied fine-tuning techniques to adapt these captioning models to our specific dataset, ensuring improved performance and relevance.
- Integrated distilled Large Language Models, specifically LAMA, into the pipeline to process and extend the generated captions

Supply Demand Prediction Model *Python, Pandas, NumPy, Sklearn* — **Apr 2023- Apr 2023**

- Examine various machine learning models suitable for supply and demand forecasting
- Aimed at achieving the best possible outcomes in predicting the availability of number of drivers and riders in a specific location and time.

Fake Currency Detection *OpenCV, Tkinter, NumPy, Jupyter Notebook* — **Nov 2023 - Dec 2023**

- Utilize OpenCV library for efficient image processing, enhancing the system's ability to analyze and authenticate currency notes.
- Employ Tkinter library to create a user-friendly GUI