Faseeh Ullah Jafar

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EDUCATION

- **National University of Computer and Emerging Sciences** — Lahore, Pakistan
  Bachelor of Science in Computer Science — *Aug. 2019 – May. 2023*
  - **Courses**: Web Programming, Software Testing, Game Design and Development, Information Retrieval, Natural Language Processing, Advance Database Concepts
  - **Activities**: FYP Exhibition in Job Fair 23, Software Project Competition(SPC) Competition in Softec23

EXPERIENCE

- **Research Assistant - FAST-NUCES** — Lahore, PK
  Research Intern, Dr.Saira Karim — *June 2022 - July 2023*
  - **GDS - Gesture Decode System — FYP**: This project translates Pakistan Sign Language (PSL) video to text or label. The knowledge areas implemented in this project are TensorFlow, Keras, Media Pipes, LSTM, and dense layers of neural networks to achieve this goal

- **Online tutor and Automation developer - Fiverr** — Freelance
  2021 - Feb 2023
  - **Online Coding Lesson:**: As a programming instructor, I create an engaging learning environment that fosters logic-building skills. I break down complex concepts and provide hands-on learning opportunities through coding exercises, projects, and group discussions. I have helped numerous students become confident programmers and am passionate about helping beginners achieve their programming goals.
  - **Automation Developer:**: As an automation developer and scraping specialist, I have worked extensively in developing automated solutions to optimize workflows and increase productivity. My experience includes creating custom automation scripts for data extraction, analysis, and visualization using Python, Selenium, and BeautifulSoup. I have also worked on web scraping projects for competitor analysis, price monitoring, and data collection using both API-based and web scraping methods.

PROJECTS

- **Airline Ticket Booking System**: This project was completed using ASP.NET. It offers users a well-organized system for purchasing tickets, so they can do so from the comfort of their own homes. It is done in HTML,CSS,Java Script,C-Sharp and MySQL
- **Blood Bank Management System**: MERN Stack used, for frontend bootstrap used, authentication done using JWT Token, Cookies used for auto-login, MVC Architecture followed
- **VidQuest An online MCQs Generator**: It using different NLP techniques and requires a YouTube link from the user. Speech to text conversion, text preprocessing, text summarization, text postprocessing, topic modeling for keyword generation, question generation, and distractor generation are all performed in stages. It uses different python libraries and methods like speech recognition, NLTK, T5 encoder-decoder model etc
- **Urdu Text Extraction System Against a Relevant Word**: It uses Selenium and BeautifulSoup to extract data from different sources like websites, books, and news channels. After that data is preprocessed and cleaned using NLTK, after that data is processed using byte pair encoding, in the end word embeddings are generated using word2
- **Flappy Bird Game**: This game is built using Unity. It is a clone of the once-famous game Flappy Bird. Different open-source assets for pipes, birds, and backgrounds are used.

PROGRAMMING SKILLS

- **Languages**: Python, C, C++, C-Sharp, Java, MySQL, JavaScript
- **Technologies**: Unity, PyTorch, Tensorflow, Scikit-learn, Matplotlib, Pandas, NumPy, Selenium, Night-Watch, Beautiful-Soup, Flask, Node, Express, React, HTML, CSS, MongoDB, Mongoose, and MySQL