

Eman Ijaz

[Github](#) [Linkedin](#) [Website](#) [Gmail](#)

A graduate student whose passion revolves around solving real-world challenging problems. I'm curious about learning Full Stack Development, Data Science, Machine Learning, and building smart products.

EDUCATION

- LUMS, Pakistan — *MSCS, GPA: 3.75* (2020- Present)
- FAST NUCES, Pakistan — *BSCS, GPA: 3.39* (2015- 2019)

EXPERIENCE

LUMS, Pakistan — Research Assistant (2019-Present)

- Mentored a group of 4 students for the Asia Connect project at the [Energy Informatics Group Lab of LUMS](#).
- Assisted in the documentation, analysis, and research of accurate **Air Quality Index** prediction of Lahore areas.
- Researched historic energy data for accurate modeling of **Medium-Term Load Forecasting** spanning 1-2 years.

7Vals, Pakistan — Software Engineer (2019-2020)

- Implemented features for **EZOffice Inventory** (used for asset tracking, check-in, checkout, reserving, auditing, history tracking, etc).
- Accelerated implementation of **EZRentout** (used by rental businesses for tracking orders, equipment, and customers).
- Debugged and fixed bugs for **Assetsonar** (IT asset tracking software used to manage software licenses and digital data).
- I designed, developed, and tested optimized code with the aim of customer satisfaction.
- Interaction with senior development leads, product managers, content writers, and marketing managers for better decisions and quality of the products.
- Programmed the software in Ruby on Rails, CSS, HTML, and Javascript

PROJECTS

- Web Scraper**— A small search engine that ranks documents for queries using TFIDF, IDF, JELINEK MERCER, and OKAPI BM25 scoring functions. [See Project](#)
- Git Profiler**— This project uses **GitHub API** to extract users' data. Data is related to their bio, number of followers, number of followings, and 10 top-rated repositories. It serves the purpose of instant lookup of Github profiles. [See Project](#)
- Nuces Circle**— An awesome **social networking website** that allows you to make connections, post/view jobs, send emails, make posts, and view statuses of your connections just like LinkedIn. [See Project](#)
- Image Filter Application**— Application of Computer Vision that allows the user to put filters (mean, median, sharpening, blur, edge detection, emboss, smoothing) on the given image with the option of customized filtering as well. [See Project](#)
- Optical Character Recognition**— An amazing Computer Vision Project that reads the text documents of various extensions and extracts characters to read and shows the final results in Matlab GUI. [See Project](#)
- Chess Engine**— Chess Engine that allows playing chess between a human player and a computer bot. I developed a mechanism using various heuristics to detect the optimal moves using AI approaches. [See Project](#)

CERTIFICATES

- Getting Started with AWS Machine Learning [See Certificate](#)
- Google Cloud Platform Fundamentals: Core Infrastructure [See Certificate](#)
- HarvardX CS50 [See Certificate](#)
- Supervised Learning with Scikit-Learn [See Certificate](#)
- Deep Learning in Python Course [See Certificate](#)
- Data Analyst with Python [See Certificate](#)
- Python Programmer [See Certificate](#)

SKILLS AND INTERESTS

- Languages:** C++, C, HTML, Javascript, Python, Ruby on Rails, CSS
- Software Tools and Frameworks:** VS-Code, Sublime Text, Github, Jupyter, Scikit-Learn, TensorFlow, Eclipse, Plotly
- Interests:** Cooking, Baking, Keeping Pets, Listening Music, Yoga, Tech Blogs ([See on Medium](#))

EXTRACURRICULAR ACTIVITIES

- Microsoft Azure Machine Learning Scholarship**— Offered this scholarship as a challenge course by **Udacity**. I volunteered in 50 days of Udacity activity to learn from more than 5000+ Community of scholars and helped them in completing the challenge.
- Association of Computer and Machinery**— Attended Data Science workshops and grasped Big Data and ML applications importances.