

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)
- Punjab Group of Colleges, Pakistan — *Intermediate, 1008/1100* (2013-2015)

EXPERIENCE

LUMS, Pakistan — Research Assistant

- 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 the accurate modeling of **Medium-Term Load Forecasting** spanning 1-2 years.

7Vals, Pakistan — Software Engineer

- 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.
- Interacted with senior development leads, product managers, content writers, and marketing managers for the 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

- Machine Learning by Andrew NG [See Certificate](#)
- 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](#)

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**— I was offered this scholarship as a challenge course by **Udacity**. I participated in Slack Channels, group study activities, 50 days of Udacity as a volunteer to learn from more than 5000+ Community of scholars and helped them in completing the challenge.
- **Association of Computer and Machinery**— Attended workshop for Data Science which helped in grasping concepts of Big Data. Learned about cleaning, importing data, Exploratory Data Analysis, and analysis of Machine Learning Applications.