

# Moiz Masood

moizmasood.us

050 5889741 | Sharjah, AE | Valid Driving License

moizmasood10@gmail.com | linkedin.com/in/moizmasood10 | github.com/moizmasood10

## EDUCATION

### NED University of Engineering and Technology

*Bachelor of Engineering in Software Engineering*

Karachi, Pakistan

*September 2019 – October 2023*

### Our Own English High School

*Major in Computer Science*

Sharjah, UAE

*April 2005 – March 2019*

## EXPERIENCE

### Software Engineer

*Family Educational Services Foundation*

April 2024 – Present

*Karachi, Pakistan*

- Developed and maintained multiple projects using the **TALL (Tailwind, AlpineJS, Laravel, and Livewire)** stack
- Rebuilt the PSL back-end from scratch, upgrading from Laravel 5 to the latest version, and developed a modern front-end using Next.js
- Lead the development of isharay.pk, a web application that allows users to upload and vote on sign-language videos
- Played a key role in developing a highly successful Quiz Management App, integrating advanced data analytics and enabling quizzes across nine branches, engaging thousands of students across different grade levels
- Built CRUD admin panels with Filament, cutting development time and effort by 80%
- Streamlined the development process by using Blueprint to efficiently scaffold Models, Migrations, and Factories
- Optimized project deployment by setting up Docker on WSL, integrating Amazon S3 for scalable storage, and deploying on DigitalOcean
- Utilized Git for effective version control and seamless team collaboration

### Software Engineer, Intern

*Civil Aviation Authority*

September 2023 – November 2023

*Karachi, Pakistan*

- Spearheaded the development of specialized software aimed at streamlining email data extraction and cataloging
- Enhanced data analytics through seamless database integration
- Gained hands-on experience with Microsoft Exchange Server, expanding my technical expertise
- Orchestrated and managed company meetings, honing problem-solving and critical thinking skills

### Software Engineer, Intern

*Pakistan Council of Scientific and Industrial Research*

September 2022 – October 2022

*Karachi, Pakistan*

- Enhanced algorithm accuracy by 15% through the collaborative refinement of machine learning models
- Showcased strong communication prowess by actively engaging in code reviews with team members

### Computer Science, Intern

*ESRI*

June 2018 – July 2018

*Sharjah, UAE*

- Played a role in refining ESRI's GIS mapping software by contributing minor code enhancements, gaining valuable insights into software development methodologies and requirements elicitation
- Acquired a robust understanding of project management principles

## PROJECTS

### NovaCare | *Laravel, Filament, Stripe, MySQL, DigitalOcean*

- A web application built using **Laravel**, allowing users to upload ECG graphs for medical assessment
- Created patient and doctor panels with **Filament**, offering user-friendly UI for uploading and reviewing ECG data
- Integrated **Stripe** for tiered service payments and used webhooks to track real-time payment status
- Utilized **Blueprint** to efficiently scaffold the project's initial structure, including models, migrations, and seeders, accelerating development time
- Deployed the application on a **DigitalOcean** droplet using Apache, ensuring a reliable and scalable hosting environment

### **PSL 2.0** | *Laravel, NextJS, Filament, MySQL, DigitalOcean, S3*

- A comprehensive web platform for Pakistan Sign Language, featuring a dictionary and sign language content
- Developed the backend API from scratch using Laravel to handle dynamic content and data management
- Built the frontend using **Next.js** and **Tailwind CSS** for a responsive and interactive user interface
- Integrated Filament to create an intuitive admin panel for managing video content, lessons, and users
- Utilized **AWS S3** for scalable and secure video storage
- Deployed the platform using **Forge** on DigitalOcean, ensuring reliable hosting and streamlined deployment workflows

### **mijncontract** | *Laravel, Livewire, Filament, OpenAI, MySQL, DigitalOcean*

- A Laravel-based web application for dynamically generating contracts tailored to user input, powered by **OpenAI**
- Developed a robust admin panel with Filament, enabling admin to configure prompts, max tokens, and model settings dynamically
- Designed an interactive interface for real-time contract modification, enabling users to download contracts as PDFs

### **isharay.pk** | *Laravel, Livewire, Filament, MySQL, DigitalOcean*

- A web application built using Laravel and **Livewire** to enable users to upload and vote on sign-language videos
- Implemented advanced video recording and upload capabilities using the **MediaStreamRecorder** library
- Leveraged Filament to develop a robust admin panel for streamlined content and user management
- Managed user roles and permissions with **Spatie's laravel-permissions package**, ensuring secure access control
- Used Laravel **Breeze** for Authentication
- Deployed the application on DigitalOcean along with **AWS S3** for video storage

### **AI Powered To-Do App** | *React, Gemini*

- An AI-powered To-Do App built using **React**, enabling users to add tasks that are automatically prioritized by AI.
- Leveraged **Gemini's AI** capabilities to implement an intelligent task prioritization system, enhancing task management by dynamically organizing tasks based on their importance.

### **Primero Avionics** | *PHP, JavaScript, Bootstrap, MySQL*

- A full-stack web-based Airline Management System with interactive seat selection to book and manage flights
- Used **Bootstrap** and Javascript to design the frontend, and PHP for the backend
- Integrated the website with **Heroku's ClearDB** that stores all the user and flight details using a normalized schema
- Deployed the web application on Heroku

### **Email Extraction System** | *Python, Tkinter, MySQL*

- Developed a desktop application using **Python** with the new modern Custom **Tkinter** as the frontend
- Implemented **exchangelib** to fetch and extract the emails and its contents from the employees' mailboxes on the CAA's **Microsoft Exchange Server**
- Integrated the system with an existing database after designing a normalized schema for efficient data management
- Used a local storage server to store the files for easy access by the system

### **Automatic Number Plate Recognition System** | *Python, OpenCV, EasyOCR*

- A Python based program to read a vehicle's number plate and store the information in a file
- Developed robust image processing techniques to enhance accuracy of plate number recognition
- Ensured seamless functionality through effective integration of **OpenCV** and **EasyOCR** components

### **Flappy Bird Game** | *C++*

- A Flappy Bird inspired game incorporating distinct levels and graphics
- Programmed interactive gameplay mechanics and obstacle functionalities

## TECHNICAL SKILLS

---

**Languages:** PHP, Python, C#/C++, Javascript, HTML/CSS, SQL

**Frameworks:** Laravel, Filament, React, Next.js, Tailwind, Bootstrap, Selenium, TensorFlow, Pytorch, Tkinter

**Developer Tools:** Git, VS Code, PHPStorm, Visual Studio, PyCharm, Eclipse, Katalon

**Libraries:** pandas, NumPy, Matplotlib, OpenCV, EasyOCR, exchangelib