Moiz Masood

+971 50 588 9741 | Sharjah, UAE

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

EDUCATION

NED University of Engineering and Technology <div align="right">Karachi, Pakistan</div>
Bachelor of Engineering in Software Engineering <div align="right">Sep. 2019 – Oct. 2023</div>

Our Own English High School <div align="right">Sharjah, UAE</div>
Major in Computer Science <div align="right">April 2005 – March 2019</div>

EXPERIENCE

Software Engineer, Intern <div align="right">Sep. 2023 – Nov. 2023</div>
Civil Aviation Authority <div align="right">Karachi, Pakistan</div>
- Spearheaded the development of specialized software aimed at streamlining email data extraction and cataloging
- Enhanced data analytics through seamless database integration
- Acquired hands-on experience with Microsoft Exchange Server, contributing to a comprehensive skill set
- Orchestrated and managed company meetings, honing problem-solving and critical thinking skills

Software Engineer, Intern <div align="right">Sep. 2022 – Oct. 2022</div>
Pakistan Council of Scientific and Industrial Research <div align="right">Karachi, Pakistan</div>
- Played a pivotal role in refining machine learning algorithms within a collaborative team, resulting in enhanced accuracy
- Showcased strong communication prowess by actively engaging in code reviews with team members

Computer Science, Intern <div align="right">June 2018 – July 2018</div>
ESRI <div align="right">Sharjah, UAE</div>
- 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

Email Extraction System | *Python, Tkinter, MySQL*
- Developed a desktop application using Python with the new modern Custom Tkinter as the frontend
- Implemented exhangelib 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

Airline Reservation System | *HTML/CSS, Javascript, PHP, Bootstrap, MySQL, Heroku*
- 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
- Hosted the website on Heroku

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
- Implemented robust image processing techniques to enhance accuracy in 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: Python, C##/C++, Javascript, HTML/CSS, SQL
Frameworks: Selenium, Bootstrap, Tailwind, React, TensorFlow, Pytorch, Tkinter
Developer Tools: Git, VS Code, Visual Studio, PyCharm, Eclipse, Katalon
Libraries: pandas, NumPy, Matplotlib, OpenCV, EasyOCR, exchangelib