Anas Arif
Full Stack Developer

A dedicated software developer with a background in Computer Systems. I have a strong focus on full-stack development, javascript React, Python, and Machine Learning. My passion lies in creating user-friendly applications that solve real-world problems. I am committed to continuously enhancing my skills and knowledge, aiming to deliver innovative solutions and contribute effectively to the success of the projects I work on.

Contact

- 📞 +92 337 804 8838
- ✉️ anasarif82@gmail.com
- 📍 Karachi

Skills - Programming

- Javascript - React
- Python - Flask
- C++
- Java

Skills - Frontend Dev

- React Js
- KnockoutJS
- jQuery
- Bootstrap - Responsive Apps
- HTML5/CSS3 (Web development)

Skills - Tools & OS

- Windows & Linux
- Git version Control
- Redis
- CMake
- Valgrind
- GTest
- VS Code
-

Skills - General

- Problem Solving
- Collaboration & Teamwork
- Adaptibility
- Communication
- Project Management
- Attention to Detail
- Continuous Learning

Languages

- English - Fluent
- Urdu - Fluent

Experience

Jr. Full Stack Developer
7gFuse Pvt Ltd. | Karachi
Feb 2024- June 2024

- Developed and implemented system applications using the Drogon Framework, Knockout.js, Bootstrap, and jQuery to create highly interactive front-end web interfaces.

- Created dynamic web pages with the Inja C++ template engine, seamlessly integrating RESTful APIs, handling AJAX calls, and processing JSON data payloads.

- Built an internal reporting tool and leveraged the Drogon Framework to implement MVC architecture in web applications.

- Conducted unit testing with GTest and debugging with Valgrind to ensure software quality, applied version control practices, adhered to object-oriented programming (OOP) principles, and developed shared libraries.

- Carried out development in a Linux environment, using CMake for efficient build management.

Android Developer Intern
TCS Private Limited I Karachi
Jul 2022- Sep 2022

- Acquired a strong foundation in Java programming and syntax through self-directed learning, utilizing tutorials and official documentation.

- Applied core Java concepts and enhanced object-oriented programming (OOP) skills in Android Studio to develop basic applications featuring RecyclerView, Retrofit, and REST-API integration.

- Gained valuable insights into business practices, as well as the technologies and skills necessary for successful application development.
  Technologies: Android Studio, Java

Education

BS(EE) Computer Engineering
FAST-NUCES, Karachi
2018 - 2023

Intermediate
Pre-Engineering Karachi Board
2016 - 2018

O Levels
The City School Gulshan Campus, O Levels CIE
2013 - 2016

Primary Education
Jabiriya Indian School, Kuwait
Integrated Indian School, Kuwait
2004 - 2012

Personal & Freelance Projects

○ **Full-Stack Machine Learning Web Application for Car Price Prediction**
2024

- **Frontend:** Developed a responsive UI using React and Tailwind CSS, featuring a prediction form and a navigation bar for seamless user interaction.

- **Backend:** Built with Flask and SQLAlchemy, providing RESTful APIs for retrieving vehicle data and predicting car prices based on user input.

- **Machine Learning**: Trained and integrated a Random Forest Regressor with a high R^2 score of 0.975 using scikit-learn to accurately predict car prices.

- **Database Management**: Implemented SQLite for efficient vehicle data storage, with automated data loading from CSV files.

- **API Development:** Designed and developed endpoints for car data retrieval and price prediction, including robust input data preprocessing

  - Python React Flask NodeJS SQLite

○ **React Frontend for Car Selling and Car Price prediction AI Model**
2024

- **Interactive Dashboard:** Displays key metrics and statistics on car listings and sales trends.
- **AI-Powered Price Prediction UI:** Allows users to estimate car prices based on input details.
- **Responsive Design:** Built with React and MUI Material-UI, ensuring a seamless experience across devices.
- **Modern UI/UX: Provides a clean, intuitive interface with smooth navigation.**
  Note: The backend is not yet merged but will integrate seamlessly with this frontend.
  -React NodeJS MaterialUI

○ **Real-Time PPE Detection Web Application**
2023

- **Web Application Development**: Designed and implemented a web app to detect personal protective equipment (PPE) like helmets and safety vests using object detection algorithms.

- **Object Detection:** Utilized YOLOv8 for accurate and efficient PPE identification in diverse environments.

- **Machine Learning Integration**: Combined OpenCV and PyTorch for image preprocessing and deep learning model development, with numpy and pandas for data analysis and model validation.

- **Backend Development**: Built the backend using Flask to enable seamless communication between the machine learning model and the web interface.

- **Real-Time Detection**: Achieved real-time PPE detection within the application, contributing to enhanced workplace safety by identifying non-compliance with PPE requirements.
  -Python OpenCV Pandas Numpy PyTorch Flask YoloV8

Course Certificates

○ **Meta Back-End Developer Professional Certificate**   2024 - In Progress

○ **Meta - Javascript**   2024

○ **Meta - Front End Development**   2024

○ **Google - Agile Project Management**   2023

○ **Google - Data Analytics**   2023