IQRA NADEEM

• 0330-5299615 • iqranadeem3210@gmail.com

SUMMARY

Python developer skilled in scripting, web automation, and full-stack development. Expertise in creating scalable solutions and automation tools (e.g., Selenium scrapers) that cut manual effort by over 60%. Experienced in data-driven applications with Pandas, NumPy, and Matplotlib, and delivering end-to-end projects from CLI tools to Flask web apps. Passionate about combining technical precision with user-centric design.

PROJECTS

Job Application Scraper (Web Scraping)

- Built a Selenium-based web scraper to automate job application tracking and submission on the NTS portal.
- Logged into the NTS portal and extracted data from open applications.
- Parsed job listings and emailed relevant opportunities for streamlined job searching.
- Automatically applied to matching jobs based on predefined criteria.

Automated Email Sender for Acceptance Letters (Automation)

- Developed an automation script to send acceptance letter requests to Chinese professors.
- Collected professor data and stored it in a CSV file.
- Used Pandas to read and process recipient details efficiently.
- Automated email sending with personalized messages and attached CV.

Coffee Machine Simulator (Object-Oriented Programming - OOP)

- Designed an object-oriented coffee machine program simulating real-world coffee-making functionality.
- Implemented classes for different coffee types, ingredients, and machine operations.
- Managed resources like water, milk, and coffee using encapsulation and abstraction.
- Included a user-friendly menu system for selecting and preparing coffee.

House Price Prediction Model (Data Science & Machine Learning)

- Developed a housing price prediction model to analyze and forecast real estate prices.
- Preprocessed datasets (e.g., Boston Housing Data) for analysis and identified trends.
- Trained regression algorithms (Linear Regression, Random Forest) achieving 90% accuracy, optimizing with 90% accuracy, optimizing hyperparameters via GridSearchCV.
- Visualized feature importance and price distributions using Matplotlib and Seaborn.

EDUCATION

Bachelor in Computer science

Air University,Islamabad

- Data analysis, automation, and software development for structural design and project management applications.

ADDITIONAL INFORMATION

Technical Skills: Web Scraping, Scripting, Automation, Data Science)

Language:English, Urdu