UK Apartment Phase II,
Block 14 Gulshan e Iqbal,
Karachi, Pakistan

+92 3473752831

Email

Portfolio Website

PYTHON DEVELOPER & FULL STACK ENGINEER

With 3 years of experience in hardware and software development, I have built Python automation tools, and taught programming and math to students. Skilled in soldering, debugging, Python development, API integration, and teaching. Spearheaded the creation of GUI and CLI apps, integrating Google Sheets API and SMS/WhatsApp notifications.

ABDUL REHMAN MARFANI

EXPERIENCE

Freelance Python Developer   **Jan 2023 - Present**

- Built Python automation tools using APIs like OpenWeather, Twilio,NewsAPI, and Nutritionix.
- Developed GUI and CLI apps like Pomodoro timer, workout logger,and flight deal notifier.
- Integrated Google Sheets API and SMS/WhatsApp notifications.

Private Tuition • Teaching Assistant   **Jan 2023 – Jan 2024**

- Taught programming and math to students with simplified plans

EDUCATION

Cedar College Karachi   **Jun 2026 (*Expected*)**
Cambridge A levels

- **S**ubjects: Mathematics, Physics, Computer Science
- Clubs: CREW, Cedar CODES
- Part of the organizing team for modules for Robotics & Physics at Scinnova VIII

Private Studies Karachi   **Mar 2024**

- Subjects: Computer Science, Mathematics, Physics, Chemistry, English, Additional Mathematics

Happy Home O Level School Karachi   **Aug 2023**

- Subjects: Pakistan Studies, Urdu, Islamiyat

LEADERSHIP & VOLUNTEERING

Cedar College

- Shortlisted for CREW and CODES Leadership
- **Scinnova VII •** Co-managed Robotics, Physics & Math modules

TECH STACK

- Alpha Vantage
- Bash
- BeautifulSoup
- Bootstrap (basic)
- CSS3
- Git
- Google Sheets API
- HTML5
- JavaScript (ES6+)
- NumPy
- Nutritionix
- Pandas
- Python
- Requests
- Tequila API
- Tkinter
- Twilio
- VS Code
- Web Development

CERTIFICATIONS

Google

- Crash Course on Python

IBM

- Python for Data Science, AI & Development

Cisco Networking Academy

- Python Essentials 1
- Python Essentials 2

Others

- Introduction to Python – *Data Flair*
- Python - *Kaggle*
- British Airways Data Science Virtual Experience – *Forage*

PROJECTS

Frontend Developer (Portfolio Project)   2024 - Present

- Created responsive personal website with HTML, CSS, and JS.
- Implemented modal previews, scroll-responsive hamburger menu, and responsive design.
- Styled using custom fonts and dark-themed palette.
- Built responsive site with modal previews and custom styling

Flight Deal Finder

- Scrapes and alerts for airfare deals using Google Sheets & Tequila API.

Stock Alert + News

- Monitors price changes and sends news summaries via SMS

Pomodoro Timer

- GUI-based productivity timer using Tkinter.

Workout Logger

- Parses and logs workouts to Sheets using Nutritionix API.

British Airways Data Science Simulation

- Created a lounge eligibility lookup model to predict customer demand at Heathrow Terminal 3
- Analysed customer review data to identify factors influencing purchase decisions
- Built a simple predictive model to support marketing and operational decisions
- Completed project as part of a real-world simulation hosted by British Airways via Forage