

Abdul Rehman Marfani

Karachi • <https://abdulrehmanmarfani.github.io/portfolio> •
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Python Developer & Aspiring 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.

WORK EXPERIENCE

Freelance Python Developer • 01/2023 – Present

Python Developer

- 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 • Karachi • 01/2023 – 01/2024

Teaching Assistant

- Taught programming and math to students with simplified plans.

CERTIFICATIONS

Crash Course on Python

Google

Python for Data Science, AI & Development

IBM

Python Essentials 1 & 2

Cisco Networking Academy

Introduction to Python

Data Flair

Python

Kaggle

PROJECTS

Frontend Developer (Portfolio Project) • 01/2024 – Present

- Created responsive personal website with HTML, CSS, and JS.
- Implemented modal previews, scroll-responsive hamburger menu, and responsive design.

SKILLS

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

Tech Stack: Alpha Vantage, Arduino (C++), Bash, BeautifulSoup, Bootstrap (basic), CSS3, Git, Google Sheets API, HTML5, JavaScript (ES6+), NumPy, Nutritionix, Pandas, Python, Requests, Tequila API, Tkinter, Twilio, VS Code

EDUCATION

Cambridge A Levels Computer Science, Mathematics, Physics

Cedar College Karachi
Karachi
06/2026

- Subjects: Computer Science, Mathematics, Physics
- Clubs: CREW, Cedar CODES
- Part of the organizing team for modules for Robotics & Physics at Scinova VIII

- Styled using custom fonts and dark-themed palette.

Portfolio Website

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.

VOLUNTEERING & LEADERSHIP

Cedar College

Shortlisted for CREW & CODES Leadership

Scinnova 2025

Co-managed Robotics, Physics & Math modules

Cambridge O Levels Mathematics, Physics, Chemistry, Computer Science

Private Studies Karachi
Karachi
03/2024

Subjects: Computer
Science, Mathematics,
Physics, Chemistry

Cambridge O Levels

Happy Home School
Karachi
Karachi
08/2023