

# Syed Muhammad Hayyan Raza

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## Technical Skills

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**Languages and DataBases:** Python, C/C++, C#, Firebase

**Visualization Tools:** Figma, Unity, Blender, GitHub, Make.com

**Other Skills:** Game Development, Front-End Development, Graphic Designing, Python Automation Developer, Apollo, Google Cloud Console, Selenium.

## Experience/Projects

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### BD - Assistance

September 2024 – Present

Junior Automation Developer

Karachi, PK

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- I've automated business processes using Python, Selenium, BeautifulSoup, Scrapy, Requests, Pandas, and NumPy, optimizing workflows with multithreading and multiprocessing for faster execution. I also packaged scripts into standalone .exe applications using PyInstaller.
- I developed a SaaS product integrating Google Cloud Console, GA4, PageSpeed Insights, and the PageSpeed API for automated website performance insights, and streamlined workflows using Make.com.
- Additionally, I've worked with OpenAI's API for automated responses, keyword analysis, and AI-driven SEO content generation, improving customer support efficiency through web-scraped data.

## Personal Projects/Awards & Achievements

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**Minecraft Clone :** *Infinite Procedural Terrain Generation | Inventory System | Blocking | Zombie AI*

- I developed a **Minecraft-inspired voxel-based game** where players can explore an **infinite procedurally generated world**. The game features **block placement and destruction mechanics**, allowing players to shape the environment freely. I also implemented **AI-driven zombies** that can detect and chase the player, adding a survival challenge.

**Automated ID Card Generation** | *Google Cloud Console | Google Sheets API | Tkinter | OpenCV | PyPDF2*

- I created an **automated system for generating ID cards** using **Python and OpenCV**. It dynamically processes user data, overlays text and images onto templates, and exports them as **printable PDFs** using **PyPDF2**. This tool is designed for **fast batch processing**, making it useful for businesses and institutions needing bulk ID generation.

## Education

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**Mohammad Ali Jinnah University**

Oct 2021 – Present

*Bachelor of Science in Software Engineering*

Karachi, Pakistan