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Profile

Beginner to the programming world. I am extremely ambitious and eager to kickstart my career. Over the past 8 months I have been self-teaching myself Python. I started out following a great series on YouTube, after which I was confident enough to develop some project of my own that have shown to be extremely effective and helpful within my current workplace.

Soon after I started researching ways of becoming qualified, not only to have a certificate to show my skills, but to broaden my knowledge by introducing new concepts that I have never used before, one of them being object orientated programming.

I came across Python Institute who offer a range of different levels of certificates. Once again, I self-taught, prepared and funded for both the Entry and Associate exams (Currently working towards the professional qualification). I am motivated to push myself to learn programming and eventually find a company who are willing to give me that opportunity to begin my journey.

Projects

- **Win Check:** I originally made a tool called Win Check way before I started learning Python. I developed a Batch file script that's meant to be used on a service desk to help the technician find more information and remote connect to their clients' computers. This was a very simple and reliable tool. But my main goal was to turn this into a GUI making it more user friendly. So, after learning the basics of Python I was able to turn this Batch script into a GUI tool, that I still use today when supporting my customers.
- **IT Service Desk App:** Customers don't have strong IT knowledge and it can sometimes be difficult to explain over the phone how to find certain information about a computer. Therefore, I developed an application that is aimed to be put on the desktop of every computer on the domain, whereby all the customers would need to do in this scenario is open this app and almost all crucial information about the computer is displayed here, and it can be simply screenshot and put into an incident, to reduce the amount of customer engagement required to resolve an incident.
- **GUI Hangman Game:** After learning about object orientated programming, working with strings, using different modules, and communicating with files, I decided to put my knowledge to the test and try making a game. One game which would be a great example for this is Hangman. After looking on the internet a lot of people go with making a console version of this game, where I took it one step further and made a

GUI, same logic just a more friendly user interface and pretty face. This game randomly selects a word from a file, the player starts with 6 lives, it has various pop ups if you lose, win etc. It's very interactive and has improved my experience and knowledge with these difficult programming concepts and topics.

- **GUI Server Monitoring Tool:** A colleague of mine asked me to create an app, whereby upon opening a bunch of servers will be pinged. If a response is found, then it will be presented offline and vice versa. This has allowed me to dive deeper into communicating with external files. The IP addresses for these servers are stored on a txt file in the directory of the program. Within the program you are also able to change these IP addresses and it will update the txt file. This program has allowed me to feel more comfortable with object orientated programming and has also shown to be very useful within the business for monitoring purposes.
- **Wincheckv3:** This tool is a new and improved version of my original Wincheck. This new version uses a modern visual design, making it look that bit better. It also can extract much more information from nodes, and the new layout of a single page makes it better for the user to analyse and compare data. Furthermore, screenshotting to clipboard has been added with the click of a button, improving accuracy and efficiency when transferring the data to other sources is required (ITSM tools and colleagues). This project has really made me proud as it has showed me how far I have come in my journey so far.

Qualifications

- **PCEP 30-02 Python Entry Level Certification**
- **PCAP 31-03 Python Associate Level Certification**
- **PCPP-32-101 Python Professional 1 Level Certification (In progress)**
- **BCS Coding and Logic**
- **Infrastructure Technician Level 3**
- **BCS Business Processes**
- **MTA Mobility and Device Fundamentals**
- **MTA Networking Fundamentals**
- **MTA Cloud Fundamentals**
- **ITIL 4 Foundation**

GitHub Links

- **Wincheck:** https://github.com/rishulvadgama/Wincheck_portfolio.git
- **IT Service Desk App:** <https://github.com/rishulvadgama/IT-Service-Desk-App-Portfolio.git>
- **GUI Hangman Game:** <https://github.com/rishulvadgama/GUI-Hangman-Game-Portfolio.git>
- **GUI Server Monitoring Tool:** <https://github.com/rishulvadgama/GUI-Server-Monitoring-Tool-Portfolio.git>
- **Wincheckv3:** <https://github.com/rishulvadgama/Wincheck-v3-Portfolio.git>