**Simerdeep Singh Grewal || Python Developer**

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**Links:** [**LinkedIn**](https://www.linkedin.com/in/simerdeep-singh-grewal/) **||** [**GitHub**](https://github.com/SimerdeepSinghGrewal)

**Profile Summary**

A solution-focused and self-directed Python Developer who started off his journey as Python Developer by taking an intensive python course and building real-world projects to enhance expertise in using Python to solve problems.

An individual with keen eye for quality in code and documentation, motivated by the challenge of taking on new projects, seeking a challenging Python Development position where he can apply his skills and experience. Looking to continue growing as a Python Developer with an employer who is willing to invest in his skills to get the most out of his abilities.

**Core Skills**

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| --- | --- |
| * Python | * HTML & CSS |
| * Git | * SQL |
| * Adobe Photoshop | * WordPress |
| * Microsoft Office | * AWS |
| * GCP | * Analytical Skills |

**Courses**

**100 days of Code – The Complete Python Pro Bootcamp UDEMY**

* Comprehensive python course that covers all aspects of development and variety of tools and technology such as

|  |  |  |
| --- | --- | --- |
| * Python Scripting & Automation | * Pandas | * APIs |
| * Python Game Development | * NumPy | * Python GUI Desktop App Development |
| * Object Oriented Programming | * Matplotlib | * Front-End Web Development |

**Career Summary**

**Python Developer – Self Development Jan 2020 – Current**

|  |  |
| --- | --- |
| * Blackjack Game Card-based game played at casinos. Created the blackjack game solution from scratch between a player and a dealer following all rules of Blackjack | * Automate Birthday Emails / SMS Automated a simple task by writing a python script using pandas and smtplib to automatically send emails and text messages to friends and family on their birthday. |
| * Snake Game Using the turtle library created the classic snake game which is controlled using four directions buttons relative to the direction it is headed in. | * **Quiz Game** A Python based Quiz game which asks questions to players to which players has to reply with the correct answer. The solution keeps a count of questions answered correctly. |
| * Pong Game Using the turtle library, created a pong game where player can control a paddle in the game by using arrow keys. Players use their paddles to strike back and forth on the ball. | * **Analysing Dataset** Using Python and libraries such as Pandas & JSON created a solution for a Reports Cards problem where the program read’s files in .csv parses them, calculates the students’ final grade and generates the report as a structured JSON file. |
| * Random Password Generator   Using Tkinter, Random & pyperclip Python libraries, created a Random Password Generator that generates a random password using the combination of letters, numbers, and special characters.   * Instagram Follower Bot   Using Selenium, a bot which logs into your Instagram account and then searches for a specified account and then follows all its followers automatically.   * Tinder Auto Swiper   With the help of Selenium, made a bot which login’s automatically into tinder account and then swipes right automatically.   * Amazon Price Tracker   With selenium, made a bot which checks the price of a particular Amazon product and if the price is below the mentioned price then it could notify the user with email or sms.   * Rain Tracking Bot   With API call, it checks the weather of a specified location and if its going to rain during the mentioned time, then it will alert user with sms about the times it will rain. | * **Turtle Crossing**   Turtle crossing project is a road crossing project made using turtle graphics library. The turtle must cross the road without touching any objects or card. The turtle is controlled by the arrow keys.   * **Automatic Data Entry Bot**   It takes data from a website with beautifulSoup and then enters the data into a google form with the help of Selenium and then the data gets populated into a google sheets.   * **Automatic Job Application**   With the help of Selemnium, made a bot which login’s into your Linkedin and then searches the prespecified jobs for you and then automatically applies to those jobs.   * **Flight Price Checker**   With API’s, made a bot which checks the price of flights(pre-specified locations) and if the price is below the mentioned rice then it notifies the user with email or sms. |

**Junior C# Developer – Pandasofts, Ludhiana, IN Dec 2015 – Dec 2020**

* Assisted in maintenance of web applications.
* Recommended new features and styles to improve usability
* Assisted in testing and deploying web applications.
* Created accessible and responsive user interfaces to allow visitors on desktop and mobile devices to have the functional user-experience.
* Helped project managers in defining detailed specifications for specific functionality requirements as well as analysing, designing, and encoding new applications.

**Education & Qualifications**

**Sept 2009 – Sept 2011 Punjab Technical University**

Masters in Computer Application Grade (64.8%)

**Sept 2006 – Sept 2009 Punjab Technical University**

Bachelors of Computer Application Grade (64.8%)