**SIMERDEEP SINGH GREWAL**

**Intermediate Program Developer**

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**Links:** [**LinkedIn**](https://www.linkedin.com/in/simerdeep-singh-grewal/) **||** [**GitHub**](https://github.com/SimerdeepSinghGrewal) **||** [**Website**](file:///C:\Users\grewa\Desktop\simerdeepsinghgrewal.github.io)

Passionate and Solution-focused Program Developer with 4+ years of experience designing, building, and implementing projects within the Computer Science field. Recognized by employers for possessing a keen eye for detail, ensuring quality assurance when reviewing code and documentation. Commended for always demonstrating exceptional customer service skills and teamwork skills. I thrive in fast-paced environments and personally enjoy task-oriented responsibilities that I can excel at. Moved to Canada and seeking an exciting and new opportunity in the IT industry that will allow me to continue to grow professionally.

**Technical Skills**

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| --- | --- |
| * Python | * HTML & CSS |
| * Git | * SQL |
| * Adobe Photoshop | * WordPress |
| * Microsoft Office | * AWS |
| * C# |  |

**Work Experience**

**PandaSofts Web Solution, Junior Programmer (Ludhiana, Punjab, India) Dec 2015 – Dec 2019**

*Outline*: Pandasofts.com is an expert web designing, web development and software development company in Punjab (India).

*Key Responsibilities:*

* Designed, built, maintained, and tested web-based applications and websites using programming languages including C#, HTML, CSS, and SQL Server
* Created accessible, responsive, and functional user interfaces to allow visitors on any device to have the same perfect user experience using HTML, Bootstrap and CSS
* Used Flask, Python, SQL, HTML & CSS to develop and deploy a web interface for validating and matching demand to automate and streamline administrative processes.
* Carried out day-to-day project deliverables using Trello, a project management tool to organize and priorities project and team workflow for proper transparency and visibility across channels.
* Collaborated with designers and performance team on designing updates to sites and blogs, improving user experience by 41%.

**Education & Qualifications**

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

Masters in Computer Application

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

Bachelors of Computer Application

**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, Python Game Development, Object Oriented Programming, Pandas, Numpy, Matplotlib, API’s, Python GUI Desktop App Development, Front-End Web Development.

**Freelance Projects**

**Python Developer Apr 2022 – Apr 2022**

***Outline:***Identified a problem where individuals interested in in-depth analysis of particular stocks are looking for ways to reduce effort researching and news update for a given stock.

***Key Responsibilities:***

* Created a program which provides individuals a quick and easy way of staying up-to-date on the latest trends for particular stocks of their choice, including daily percentage change notifications and most recent news articles.
* Uses <https://www.alphavantage.co> to check for increases and decreases in stock price for a given stock and percentage. Once a change in stock price has been identified, using <https://newsapi.org> the program returns first 3 pieces of news article for the given stock company.

***Tech:***Python, Requests library, Datetime library, API, smtplib, library

**Data Analyst Mar 2022 – Mar 2022**

***Outline:***Understanding and being able to produce data analysis in a given time frame.

***Key Responsibilities:***

* Using Python’s Pandas library, created a solution for a school reports cards problem where the program reads multiple .csv files and calculates student’s final grade as a percentage.
* Extracted, Analysed, and Presented Data in a structured JSON file.
* Understanding a given business problem and analysing the data by using appropriate methods to generate insights.

***Tech:*** Python, Pandas, JSON

**Web Developer June 2021 – Aug 2021**

***Outline:***Improved an existing out-dated web-based solution for an e-commerce organisation looking to enhance their online presence.

***Key Responsibilities****:*

* Introduced new plug-ins and extensions to make the website more usable and interactive.
* Updated website as instructed by client to introduce new features and content.
* Designed a customer-based appointment booking form for different branches of the business with notifications sent to the correct branch.
* Daily maintenance of code, debugging, issues, and solving client problems.
* Presented findings in a clear and concise manner to key decision-makers.

***Tech:*** HTML, CSS, WordPress

**Web Developer Jan 2021 – Mar 2021**

***Outline:***Developed a web-based solution for an import - export organisation seeking to advertise their services online.

***Key Responsibilities:***

* Designed complex WordPress solution for back-end and front-end development to establish and guide website architecture and functionality.
* Collaborate with clients to develop site-map guidelines and requirements to capture content, features and functionality for site development efforts.

***Tech:*** HTML, CSS, WordPress

**Developer Sept 2019 – Jan 2020**

***Outline:***A sole developer to enable a gym-based organisation to help manage their clients.

***Key Responsibilities:***

* Designed a front-end and backend for a small gym-based client who struggled to keep track of members of his gym due to lack of technical ability.
* Worked closely with the client to ensure the application was as easy as to use as possible for someone within minimal technical abilities.
* Used HTML, CSS, Bootstrap to design the front-end form which enabled the client to enter new and existing members details.
* Used MySQL and C# to process and store member’s data submitted via the form.

***Tech:***HTML, CSS, Bootstrap, MySQL, C#

**Cloud Computing**

**Amazon Web Services**

* Accountable for migrating and reconfiguring 2 websites from a regular hosting platform to the AWS cloud.
* 6 months hands on experience of using AWS Cloud with expertise in IAM, S3, Cloud Watch and Lambda.