

**LEARNING WITHOUT LIMITS**  
**coursera**  
**SPECIALIZATION CERTIFICATE**

**5 Courses**

07/13/2020

**Pradhuman Singh**  
has successfully completed the online, non-credit Specialization

**Web Design for Everybody:  
Basics of Web Development  
& Coding**

This Specialization covers how to write syntactically correct HTML5 and CSS3, and how to create interactive web experiences with JavaScript. Mastering this range of technologies will allow you to develop high quality web sites that, work seamlessly on mobile, tablet, and large screen browsers accessible. During the capstone you will develop a professional-quality web portfolio demonstrating your growth as a web developer and your knowledge of accessible web design. This will include your ability to design and implement a responsive site that utilizes tools to create a site that is accessible to a wide audience, including those with visual, audial, physical, and cognitive impairments.

*Colleen van Lent*  
Colleen van Lent, Ph.D.  
Lecturer  
School of Information,  
University of Michigan

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:  
[coursera.org/verify/specialization/VKFSAT4AF73Z](https://coursera.org/verify/specialization/VKFSAT4AF73Z)

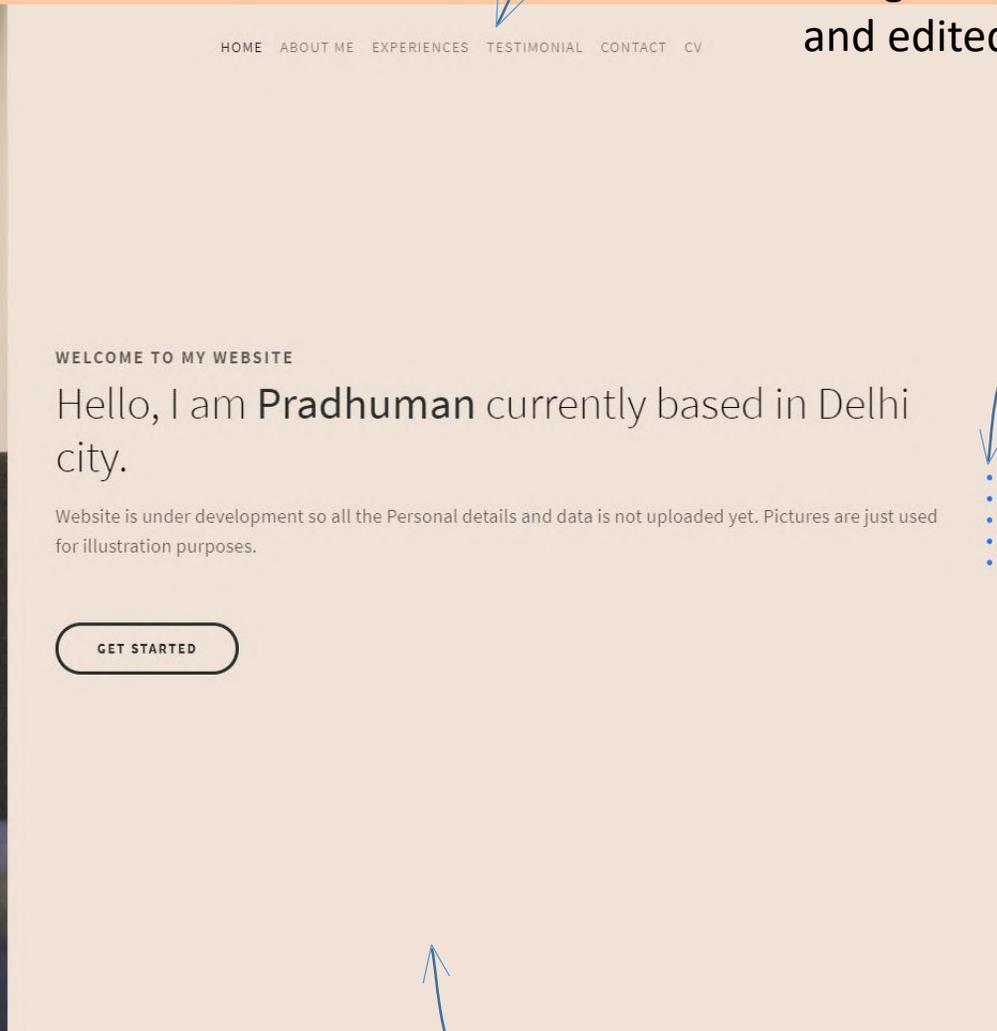
In this course I have learnt :-

1. Application of Syntactically correct HTML5, CSS3 and its interactivity with Javascript and JQuery.
2. I also learnt about topics such as wireframes, fluid design, media queries, and the use of existing styling paradigms such as Bootstrap, WOW and Chart.
3. In this course I acquired knowledge about creating and/or updating existing front-end interface, utilizing existing frameworks and testing sites for accessibility compliance.

[Link to Certificate :-](https://coursera.org/share/f49e11b7b3cbbf3164a6de7312818973)

<https://coursera.org/share/f49e11b7b3cbbf3164a6de7312818973>

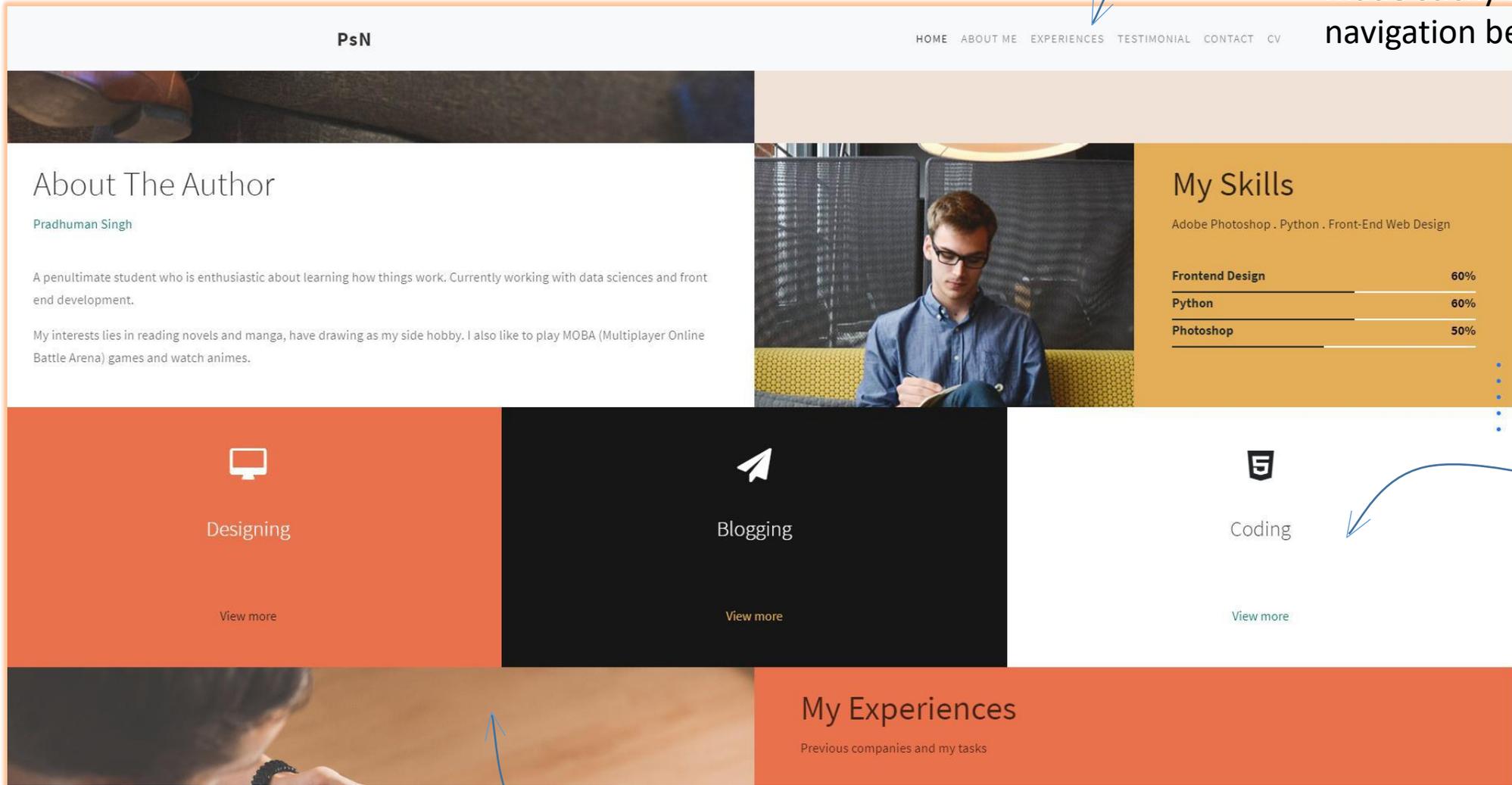
## First Template



Redesigned the navbar using HTML5 Elements and edited JS as required.

A sidebar was added for convinence of user.

A smooth scrolling effect was added to internal links so it scrolls down smoothly.



PsN

HOME ABOUT ME EXPERIENCES TESTIMONIAL CONTACT CV

## About The Author

Pradhuman Singh

A penultimate student who is enthusiastic about learning how things work. Currently working with data sciences and front end development.

My interests lies in reading novels and manga, have drawing as my side hobby. I also like to play MOBA (Multiplayer Online Battle Arena) games and watch animes.

## My Skills

Adobe Photoshop . Python . Front-End Web Design

Frontend Design	60%
Python	60%
Photoshop	50%



Designing

View more



Blogging

View more



Coding

View more

## My Experiences

Previous companies and my tasks

The navigation bar was made sticky for easy navigation between pages.

On Hover effect was added onto all three cards:- coding, blogging and designing.

Added my personal details to suit my portfolio.

## About The Author

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Designing

[View more](#)



Blogging

[View more](#)



Coding

Click to view my project and my skills.

[View more](#)

**Hover** causes **hidden text** to appear.

**View More** link leads to another **webpage**.

## My Experiences

Previous companies and my tasks

## Second Template

Added similar **Navigation bar** to the template.

The screenshot shows a web page layout. On the left is a blue sidebar with the text 'PsN' and a bio: 'I am a penultimate student who is learning how things works in computer world. Currently interested in Machine learning. I am currently working on this website as my front-end development project.' Below the bio is a line graph titled 'My Github Contributions' showing activity over five weeks. The y-axis ranges from 0 to 20. The x-axis is labeled 'Week1' through 'Week5'. The graph shows a peak of 20 in Week1, a low of 0 in Week2, a peak of 10 in Week3, a low of 7 in Week4, and a peak of 18 in Week5. To the right of the sidebar is the main content area with a navigation bar (HOME, SKILLS & ACTIVITY, PROJECTS, CV), a section header 'MY CODING SKILLS', and a section titled 'My Github Activity' with explanatory text.

Week	Contributions
Week1	20
Week2	0
Week3	10
Week4	7
Week5	18

Similarly a **Sidebar** was added for user convenience.

Using the Chart.js library, **Graphs** were added which displayed the **Github activity**.

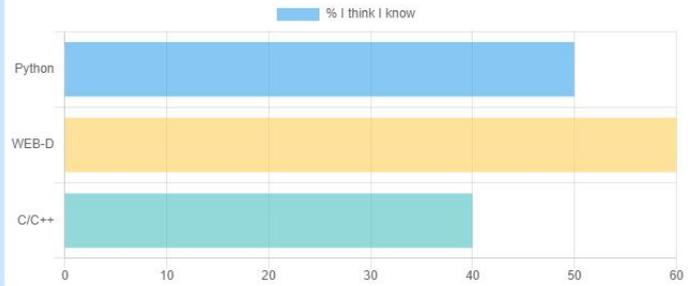
0  
Week1 Week2 Week3 Week4 Week5

### My Skills Section

This section represents the measure of skills that I have to that of what I believe is required for decent (beginner's) working skills in form of graph of the respective field.

made.

### Coding Languages



### Beautiful Rollovers

Similarly, another graph was added to depict the knowledge as **Percentage**.

•  
•  
•

## Beautiful Rollovers



Above are some image from my [designing section](#) that are visually pleasing. Note: the images haven't been put yet but will be uploaded soon.

An **Album** of pictures is displayed with hover effect. The album was **picked up from the designing section.**



Above are some image from my **designing section** that are visually pleasing. Note: the images haven't been put yet but will be uploaded soon.



### WEB-D Projects

This section represents **my projects** that were developed using HTML5, CSS3, Js and frameworks. The projects that I made also keeps accessibility issue in mind so that it can cover wider masses.

Some of my projects :-

- **Project 1**
- **Project 2**
- **Project 3**



Added a **Place** for **posting new projects.**



## Python Projects

This section represents **my projects** that were developed on python. I have learned basic python programming which includes Data Structures, networked application program interfaces and databases to design and create basic applications for data retrieval, processing, and visualization.

Some of my projects :-

- [Project 1](#)
- [Project 2](#)
- [Project 3](#)



A **footer** was added to the given template.

## About The Author

Pradhuman Singh

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## My Skills

Adobe Photoshop . Python . Front-End Web Design

Frontend Design	60%
Python	60%
Photoshop	50%



Designing

[View more](#)



Blogging

Click to view up my blog posts.

[View more](#)



Coding

[View more](#)

## My Experiences

Previous companies and my tasks

Position **Date**

**Redirecting** to the Blogging section.

PsN

*Here I write about the things that i like and am curious about. Since I am writing about things after viewing it from my own prespective, I may not be entirely correct so feel free to give suggestions.*



HOME BLOGS CV

## MY BLOGS

**Added a place to  
post blogs.**

### Blog Post 1 Heading

Briefings about the blog post 1.

## Blog Post 2

Briefings about blog post 2.



## About The Author

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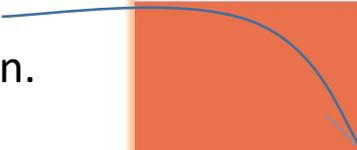
## My Skills

Adobe Photoshop . Python . Front-End Web Design

Frontend Design	60%
Python	60%
Photoshop	50%



Redirecting to Designing section.



Designing

Click here to see photo gallery made using Adobe Photoshop.

View more



Blogging

View more



Coding

View more



## My Experiences

Previous companies and my tasks

PsN

*Here I am posting some of the pictures that i clicked or were edited by me. I have no copyright over some of the images that were edited since they were picked from internet without taking consent from the owner.*



HOME GALLERY CV

## MY PHOTOGRAPHY AND EDITING

---

### My Photography

I am editing images using [Adobe Photoshop](#).

Some of the images that were either clicked or edited by me are shown bellow in form of gallery.

⋮  
**Describes the  
photo gallery.**

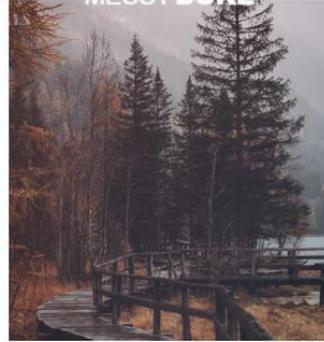
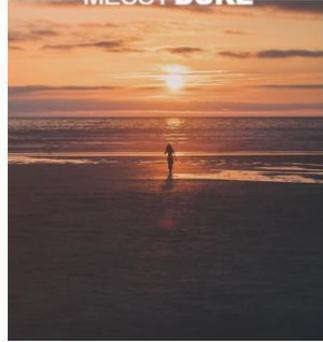
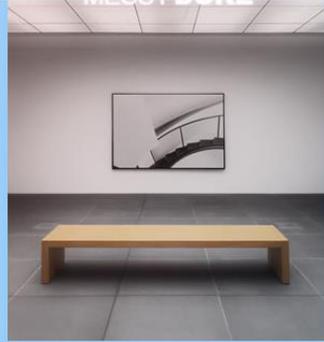
The Photo Gallery

Beautiful Rollovers



Above are some image that i clicked and edited and think are visually pleasing . Note: the images haven't been put yet but will be uploaded soon.

Hovering over an image displays the underlying text.



Above are some image that i clicked and edited and think are visually pleasing. Note: the images haven't been put yet but will be uploaded soon.

 Position **Date**

Yet to be hired

## My Education

CS Undergrad

 Bachelor in Computer Science **2018 Aug - Present**

A penultimate, pursuing B.Tech in CSE at MAIT.

 Secondary Education **2016 Apr - 2018 Mar**

Majored in PCM with additional subjects as Music and IT.



Any quote/ ongoing project.

About that quote or project.

**An overlay image that moves at a little slower pace than the scrolling of page.**



Any quote/ ongoing project.

About that quote or project.

Say hello..

Hit me up on my email.

Name

Your Name

Email

Your Email

Message

Write your message...



Visit Me

New Delhi, India



Contact.

Email-ID

LinkedIn

GitHub

PsN

Added **Maps** and **Links** to my social websites.

Modified form for **better user interface**.

Name

Your Name

Email

Your Email

Message

Write your message...

Send



Contact.

Email-ID

LinkedIn

GitHub

PsN

Clicking on CV tab allows you to download my CV.

Downloaded CV

# Pradhuman Singh

CS Undergrad

A Sophomore, currently learning Data Sciences in Python and Mathematics for ML.



singh.psn12@gmail.com ✉  
9650344317 📞  
Delhi, India 📍  
linkedin.com/in/psn-1202 in

## EDUCATION

### B.Tech

MAIT [↗](#)  
08/2018 – Present  
Major Subject

- Computer Science & Engineering

### Senior Secondary

Indraprastha Convent School  
04/2016 – 03/2018  
Major Subject

- PCM

## PERSONAL PROJECTS

Portfolio Website (06/2020 – Present) [↗](#)

- This Webpage is a responsive website that uses syntactically correct HTML5, CSS3 & Js, aims for wider audience including those with visual, audial, physical, and cognitive impairments.

## SKILLS

Adobe Software Suite Python C++  
Web Development Willingness to learn  
Teamwork Critical Thinking  
Problem Solving

## ORGANIZATIONS

OpenCode MAIT (09/2019 – Present)  
*Exploring open source projects*

## CERTIFICATES

Python For Everybody Specialization (11/2019 – 06/2020) [↗](#)  
*Specialization briefs about fundamentals which includes using concepts like Data Structures, Network Application Program Interfaces and Databases.*

Web Design for Everybody: Basics of Web

Briefly summarizing the changes :-

1. Joined two base templates and added various features to the existing templates.
2. Updated the bootstrap files in the given templates from 2013 v3.4.1 & 2018 v4.4.2 to latest version v4.4.5.
3. Made required changes (especially navigation bar) and re-designed the page to have a similar look and feel to that of template.
4. Modified JS to provide some div elements to have dynamic height since resizing had made some divs to go off in the provided template thus causing erroneous responsiveness of the webpage.
5. Added maps, modified forms and added few favicons.
6. Sidebar navigation have also been added for user's convenience.
7. Made my webpage compliant to rules and regulations set by w3.validator.org and webaim.org, so my website should be accessible to wider audience including those having visual, audio, physical and cognitive impairments.
8. Modified CSS for accessibility and compressed various files to reduce loading time by a third.
9. Imported Chart.js library and wrote the required JS to make interactive graphs.
10. Added desirable effects present in the first template, into second template.
11. Lastly, I have added my personal data as an example and have modified to elucidate the design of a Webpage Portfolio.

Base Template 1: [https://templatemo.com/live/templatemo\\_498\\_stimulus](https://templatemo.com/live/templatemo_498_stimulus)

Base Template 2: [https://templatemo.com/live/templatemo\\_527\\_sided](https://templatemo.com/live/templatemo_527_sided)