



# Pradhuman Singh

Junior Software Developer

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A Penultimate year student, learning React & ML/Data Science in Python/ R.

## WORK EXPERIENCE

### NLP & Data Analysis Intern

Spotle Ai 🔗

02/2021 - 03/2021

An Educational Platform - [Report](#) - [Project](#)

#### Achievements

- Twitter trend analyzer using NLP and text-processing techniques which work on a given set of tweets, related to COVID19 / CORONA.
- Created a Word Cloud depicting trends on Twitter, Graphs depicting trending hastags & Handles that dominate the conversation on Twitter.
- Sentimental Analysis on the given dataset on basis of change in person's sentiment & sentiments of people over time.
- Analyser also detects the activity of the user on twitter on basis of time of day & day of the week.

### Web Dev Intern

Lets Go Social 🔗

06/2020 - 07/2020

A service based startup based in UK and India - [Certificate](#)

#### Achievements

- Assisted Team in development of webpages using HTML/ CSS/ Js as front end and using PHP in backend framework.
- Assisted in improved design/ concept and add on features for better UI/UX & modular code.

## PERSONAL PROJECTS

### Rate of Penetration (04/2021 - 04/2021) 🔗

- Hackathon by PetroCoder to optimise ROP which is a global issue. Selected for final interview round in top 30 students. Overall 500 + students participated.

### PageRank (11/2020 - 12/2021) 🔗

- This Program ranks webpages, based on PageRank Algo developed by Larry Page.
- It provides an option to generate JSON file to export scraped data which can be used for web services, creating graphs, applying ML etc on retrieved data.

### Portfolio Website (07/2020 - 09/2020) 🔗

- This is a responsive website with UI/UX design, using syntactically correct HTML5, CSS3 & Js and aims for wider audience including those with impairments.
- Dynamic UI/UX React form, Snake Game, Weather App developed by me are also attached.
- It provides details about my skillsets (using graphs), edited gallery & blog.

### Operations (04/2020 - 05/2020) 🔗

- Handles all types of input and validates before processing.
- Includes Word filter, Credit Card Recognizer (Luhn's Algo), US Grade text (Coleman-Liau Algo), web scraper of IMDb to retrieve reviews, find/ create histogram, mean, median, mode & Scientific calculator.

### Image Transform (04/2020 - 04/2020) 🔗

- Assists in transformation of a given image with Filters for spotlight, color & watermark.
- Project prompts the user for color filter (choice of color to tint image) or spotlight (Brightening image at given point, dulling out radially) or watermark for the image provided.

## EDUCATION

### B.Tech

MAIT 🔗

08/2018 - Present

Current GPA - 8.3

#### Major Subject

- Computer Science & Engineering

07 May, 2021

## SKILLS

Python

Adobe Ps/ Pr

HTML5

CSS3

React

MS Office (Excel/ PowerPoint/ Word)

Js

C/C++

Java

Data Structures

## OPEN SOURCE PROJECTS

### GSSOC (03/2021 - Present)

Working on Project Sakura (Custom ROM with 93000+ download)

### Web Developer - ICICC (09/2020 - 02/2021)

ICICC is sponsored by Ministry of Electronics and Information technology (MeitY). Designed website [online-conf.com](#) guided by [Dr. Deepak Gupta](#). Working on [icdam-journal](#) & [icc-journal](#).

## CERTIFICATES

### Data Science Bootcamp (02/2021) 🔗

Evaluates the success of startup using Linear, Decision Tree & Random Forest Regression. ([Project Link](#))

### FullStack Dev Bootcamp (02/2021) 🔗

Snake Game Project ([Project Link](#)) ([Hosted Page](#))

### Mathematics for Machine Learning: Linear Algebra (08/2020) 🔗

### Web Design for Everybody - Spec. (07/2020) 🔗

Design & Implementation, Responsiveness, Accessibility

### Python For Everybody - Spec. (06/2020) 🔗

Data Structures, Network APIs & Databases

### Object Oriented Data Structures C++ (04/2020) 🔗

## VOLUNTEER/ PRESENTATION

### Aashman Foundation (NGO) (02/2021 - Present)

NGO team of 1500+ people, volunteering as video editor.

### Cause of Social Problems in India (12/2020)

Presented with a team of 4, among 50+ teams on causes of social problem of population explosion and provided practical solutions to the problem. [PDF-Link](#)

## LANGUAGES

English

*Native or Bilingual Proficiency*

Hindi

*Native or Bilingual Proficiency*

French

*Limited Working Proficiency*