

# Vibhu Agarwal

Python Enthusiast | Web Developer

I have an active contribution to multiple open source projects which I find interesting and useful. I like to explore new technologies and adapt to their methodologies by being involved in different communities and events and inquisitively learn from every opportunity that comes my way.

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## EDUCATION

### Computer Science and Engineering (B.Tech. & M.Tech.)

Jaypee Institute of Information Technology, Noida 🔗

08/2017 – Present

7.8 CGPA

## PROJECTS

Ministry of Statistics and Programme Implementation (MOSPI) - Website (03/2019) 🔗

- A Django powered Website made for MOSPI to automate the tasks and reduce their manual workload to read raw data from excel sheets, re-plot them, make calculations, report statements and view insights

Attendance Management using Face Recognition (07/2018) 🔗

- A desktop application to manage the attendance management system of an institute through facial recognition
- Used openCV libraries for face detection and recognition and automated maintenance of data in excel files through python scripts

Automated FB Post (Speech to Text) (03/2018) 🔗

- Used browser automation in python and wit.ai for speech-to-text conversion to post on Facebook through voice or audio

## WORK EXPERIENCE

### Back-end Developer, Intern

Viga Entertainment Pvt. Ltd. 🔗

03/2020 – Present

- Developed back-end and created APIs for a Movie-Asset Management Product (MERN stack)
- Managed dynamic user-data, created SDL for APIs and wrote queries (MongoDB FTS and Aggregation Framework)
- Created Data Analytics software to derive insights from the data of movies (Kibana and MongoDB charts)
- Developed Single-Sign-On (SSO) to authenticate different services offered by Viga Studios (Django)

### Back-end Web Developer, Intern

Creesync Software 🔗

05/2019 – 08/2019

- Developed Back-End for an e-commerce website (GoldGali) 🔗
- Worked on REST Framework (Django) - Developed and Restructured APIs and managed Databases (Postgresql, MySQL, Sqlite)
- Worked with GCP and AWS for deploying web-servers.

## SKILLS

API Development

Django

NodeJS

MongoDB

React Native

AWS

GCP

Testing

Selenium

Web Scraping

Data Structures

Algorithms

## OPEN SOURCE

Mentor - IIIT Month of Code (2019) 🔗

Mentored contributors on two projects from Marauders organisation - Shared resources & promoted good practices of open-source overall

Contributions

Contributed to a number of organisations: pandas-dev, kivy, nexB, django, Marauders, codeuino

## ORGANIZATIONS

Developer Student Clubs, IIIT (08/2018 – Present) 🔗

Technical Co-ordinator - Organized workshops, conferences and hackathons. Taught and mentored fellow students about several technologies ranging from static websites, managing databases and handling back-end servers

## ACHIEVEMENTS

GCP Quest Leader | Qwiklabs (07/2019 – Present) 🔗

Completed over 70 labs and 5 Quests. Delivered a talk on GCP and hosted Cloud Study Jam at DSC IIIT, Noida, attended by over 300 students from across Delhi-NCR region

1st Runner-Up | Smart India Hackathon (03/2019) 🔗

At Grand Finale of SIH2019 for the Ministry of Statistics and Programme Implementation, Government of India

Runner-Up - Execute 18.1 | Knuth Programming Hub (04/2018) 🔗

1st runner-up at Inter-college competitive programming competition held at IIIT, Noida

## LANGUAGES

Python



Javascript



Java



## INTERESTS

Software Packaging

Command Line Interfaces

Mentoring

Teaching

Robotics

Football