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 ↗

2017 – Present   *7.8 CGPA*

X & XII std. (I.S.C.)

St.Joseph's College, Allahabad ↗

2015 – 2017   *90%(X) | 88%(XII)*

PROJECTS

Ministry of Statistics and Programme Implementation (MOSPI) - Website (03/2019)
- A Django powered Website made for MOSPI to automate the tasks and reduce loads of their manual work 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 maintained 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 Web Developer (Intern)

Creesync Software ↗

05/2019 – 08/2019
- Developed Back-End for an e-commerce website ↗
- Worked on REST Framework - Developed and Restructured APIs and managed Databases (Postgresql, MySQL, Sqlite)
- Worked with GCP and AWS for deployment options

Technical Content-Writing Intern

GeeksforGeeks ↗

03/2019 – 04/2019
- Wrote 10 articles explaining about DataClasses (Python 3.7), API Development, Web Scraping and Flask Framework
- Improved many existing articles by adding Python3 codes or debugging them

SKILLS

`API Development` `Django` `MongoDB` `AWS`
`GCP` `Web Scraping` `Git` `Testing` `Selenium`
`Machine Learning` `Data Structures` `Algorithms`

OPEN SOURCE

Contributor to pandas ↗
Fixed issue in DataFrame construction with passing a mixed list of mixed types could segfault by fixing tuple to list conversion in cpython

Contributor to kivy's plyer ↗
Fixed an issue regarding string comparison and its behaviour in both versions of Python (2 & 3) by using decode method

ORGANIZATIONS

Developer Student Clubs, JIIT (08/2018 – Present) ↗
Technical Co-ordinator - Organized workshops, conferences and hackathons. Taught and mentored other 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 JIIT, 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 JIIT, Noida

LANGUAGES

Python   ● ● ● ● ●
Java   ● ● ● ● ○

INTERESTS

`Cloud Computing` `Linux` `Software Packaging`
`Competitive Programming` `Football` `Robotics`