ESHAN GUPTA

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Summary

I have **9 years** of total experience with **2 years of industrial python API development experience**,

1. With 5 years of experience in teaching cloud computing, computer architecture and operating system, analysis of algorithms, statistics and python language . Here I was responsible for theory and laboratory/practical classes.

2. With 2 years of experience in research and development of a project funded by Government of India. Here I invented and developed 3 new decision making algorithms for generation of better hotspots of criminal activities in study area. I made use of python, pandas, spark here for storing and analysing data. Here my role was **Co-Principal Investigator and developer**.
   Project   Github   Link:-   https://github.com/eshandinesh/gis_based_crime_mapping   ,
   https://github.com/eshan87gupta/WebCop

3. With **8 months of industrial experience as a python developer** in State IT Center, Government of Madhya Pradesh, I worked on following projects:-
   a) Development of a **Geo-Statistical tool for converting non-georeferenced maps into georeferenced maps** using open source library for Government of Madhya Pradesh in State IT Center. The project is started and completed by me only.
   Project Github Link:- https://github.com/eshan87gupta/Auto_Geo_Referencer

   b)   Development of django REST APIs for an android application. This application was developed for automating process of yearly inspection government schools in Madhya Pradesh.
   Project Gitbub Link:- https://github.com/eshan87gupta/Django-Rest-Services-

4. **With 1.4 year of industrial experience in No Borders Corporation as python django backend developer,** I worked on development of REST APIs and product like Instagram/Youtube Bot, a selenium/django based website. Here, I also worked on srapping some financial data from website of NSE & BSE. This data was collected and saved in csv for further data analysis.
   Project   Github   Links:-   https://github.com/eshandinesh/financial_data_builder   ,
   https://github.com/eshandinesh/bse_shareholding_pattern_scrapping

5. Currently i am also developing a website which contains Algorithmic Trading Tools for trading in Indian stock markets. It also displays stocks which have highest probability to rise in next month.
   Project Github Link :- https://github.com/eshandinesh/bulls_n_bears

Experience

- **Python Developer**

   No Borders Corporation
   Mar 2020 - Present (**1 Year 4 Month**)

- **GIS Software Developer (Python)**

  MAPIT, Bhopal
  Aug 2019 - Mar 2020 (**8 months**)

- **Assistant Professor**

  Amity University Madhya Pradesh
  Oct 2014 - Jul 2019 (5 years)

  1. Tought computer organisation and architecture. Here I was responsible for taking theory and laboratory/practical classes.

  2. Tought Statistical analysis over data using python language. Here I was responsible for taking practical classes for applying statistics.

  3. Tought Machine learning algorithms. Here I was responsible for taking theory and laboratory/practical classes for teaching and applying Machine learning algorithms using python language.

  4. Tought Operating Systems and Deep learning for visual applications. Here I was responsible for taking theory and laboratory/practical classes for teaching and applying deep learning techniques on images on various analysis.

  5. Worked on DST funded Research Project titled **"DEVELOPMENT OF GIS BASED CRIME MAPPING SYSTEM" (2017-19) as Co-Principal Investigator**. This was a research project worth INR 11,95,000/-. It was sanctioned by Department of Science and Technology, Govt. of India. Goal of this research project was to develop GIS & AI based hotspot analysis tools for analyzing crime dataset. Python programming language and geo-spatial libraries like GDAL was used by me to implement the algorithms I developed in this project. It was a two year project sanctioned on 23/08/2017 and completed & submitted back to DST on 30/08/2019. My role in this project was **Co-Principal Investigator and developer.**

- **Assistant Professor**

  IPS College of Technology & Management
  Jun 2012 – Oct 2014 (2 years)

  1. Tought Operating System, Cloud Computing and Computer Architecture. Here I took theory classes for the subjects.

Education

- **SCSIT, DAVV Indore, Master's degree**, Computer Science (**8.5 CGPA**)
  2010 – 2012

- **Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal**, Bachelor of Engineering - BE , Computer Science & Engineering (**68.6%**)
  2006 – 2010

- Christ Senior Secondary School – India, Higher Secondary (**73.6%**)
  2004 – 2005

- Christ Senior Secondary School – India, High School (**74.8%**)
  2002– 2003

Licenses & Certifications

- **PadhAI - Deep Learning course completion - PadhAI - One Fourth Labs, Certificate: 13552869**

- **Currently going through BIG DATA & DATA SCIENCE Masters Programme from Intelipaat.**

Honors & Awards

- **GATE** - Indian Institute of Technology, Guwahati, Mar 2010
  I cleared GATE in CSE with **96.27 percentile**

Skills

- Python (Programming Language) (3 years)
- Django (Industrial Experience: 2 years)
- GDAL (Industrial Experience: 6 Months)
- Postgresql (Industrial Experience: 2 years)
- Selenium (Industrial Experience: 1 Year)
- Amazon S3 (Industrial Experience: 1 Year)
- Amazon EC2 (Industrial Experience: 1 Year)
- Android Application Development (Industrial Experience: 6 Months)
- Convolutional Neural Networks (CNN) (Industrial Experience: 6 months)

Publications

- **H. Mehta, E. Gupta "Economy Based Resource Allocation in IaaS Cloud", International Journal of Cloud Applications and Computing, Vol 3, Issue 2, pp 1-11, 2013.**