**Jubin Soni**

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**Summary**

IT professional with 1.5 year experience in Analytics, programming and software development for various projects and clients.

**WORK EXPERIENCE**

**Software Developer, Internal Project**, Engineering Analytics Tool (Java | spring | Python)

(01/2020) – Present

* Backend of application is made in Java using spring framework.
* Frontend is made in angular.
* This Solution is made so that basic data analysis using Machine Learning techniques can be done quickly on new data.

**Data Scientist, German Elevator Company**, Predictive Maintenance (Big Data | Python | Sql | spark)

(08/2018) – (12/2019)

* Implemented SQL ETL Process to Spark API in python
* Implemented Data Pipelines in Azure Data Factory and python.
* Scheduling Models and Storing Prediction Results to Azure Datalake and SQL Database using python.
* Converted Python Pandas code to PySpark.
* The Solution helps to identify failure of elevator so that maintenance can be scheduled before hand which helps elevator to be always in operational mode and never fail.

**Software Developer, Cyient Innovation Unit**, Pupil Detection and Diameter Calculation (Image Processing | C++ | Opencv) (02/2019) - (04/2019)

* Wrote algorithm to detect and calculate pupil diameter in C++ for an embedded device.
* Made a testing module to generate graphs and diameter per frame.
* This solution helps doctors to identify defects in patient’s eyes as well as brain disorder.

**Teaching Assistant, Earthquake Engineering Research Centre IIITH**, TA (Teaching Assistant) for Earthquake Engineering Course (CES641) Spring 2018 semester (01/2018) - (06/2018)

* Took lab classes for students to teach them programing in Matlab.
* Conducted Viva Exams, Project Review and evaluated Mid-Sem and End-Sem exams papers.

**SKILLS**

* **Languages:** C++, Python , SQL
* **Database**: MySQL Server, Azure Datalake , Parquet , Delta Tables
* **Apache Spark:** Spark Core, Dataframes, Spark SQL , HDFS, Hive
* **ETL Tool :** ADF(Azure Data Factory)
* **Web:** HTML, CSS, PHP, Fpdf ,Java Spring
* **Image Processing:** OpenCV
* **Version Control**: Git(Basic)

**Achievements**

* Academic Award for highest SGPA in spring 2017 semester.
* TA (Teaching Assistant) for Earthquake Engineering Course (CES641) Spring 2018 semester.
* Stood 2nd in Inter-House basketball competition held at IIITH.
* Runner up for Inter-branch competition held at IIITH.

**Certifications**

* Web Development (HTML ,CSS ,Bootstrap ,PHP)
* Beginner Course in Android Development
* Connect the Dots : Factor Analysis
* Connect the Dots : Linear and Logistic Regression

**Academic Research & Projects**

**Earthquake Engineering Research Centre IIITH**, Web Application for EDRI (Earthquake Disaster Risk Index) & RVS (Rapid Visual Survey)

(02/2018) – (06/2018)

* Web Application to fill form related to buildings and Tabular Visualization.

Available at: <http://eerc.iiit.ac.in/edri/>

* Researching possible structural parameter that can be used to classify building as Red, Yellow or green

Available at: <http://eerc.iiit.ac.in/rvs/project1/>

**Lab for Spatial Informatics IIITH**, Upscaling Ground Leaf Spectrum to Canopy

(08/2017) – (12/2017)

* Working on models for upscaling of field collected leaf spectrum to canopy level in python.
* Built a User Interface in Tkinter and backend code in python so that spectrum can be visualized and parameters can be tweaked through interface

**Lab for Spatial Informatics IIITH**, Application for Navigation for MyCampus

(10/2017) – (11/2017)

* Android App is made for Navigation through IIITH campus.

**Lab for Spatial Informatics IIITH**, Development of Spectral Indices Tool for Detection of Rhizophora Apiculata

(06/2017) – (07/2017)

* Matlab User Interface is made to access biochemical parameters. Presented by NN Salghuna at YPRS(Young Professional Conference on Remote Sensing),Aachen, Germany

**Earthquake Engineering Research Centre IIITH**, Ground Response Analysis

(01/2017) – (06/2017)

* Application User Interface is made using python Tkinter and analysis code written in TCL(Open Sees)

**Employment History**

* Data Scientist at Cyient Insights (Since 07/2018)
* Teaching Assistant at IIITH (01/2018) - (06/2018)

**Education**

* MTech | IIITH(International Institute Of Information Technology) Hyderabad | Computer Aided Structural Engineering | 2016-2018 | CGPA:8.0/10

BE | IET (Institute Engineering And Technology) DAVV Indore | Civil Engineering | 2012-2016 | CPI:73%

**Hobbies**

* Playing Basketball

**Online Profiles**

* GeeksForGeeks – Coding Score = 912,Problem Solved = 698

url - <https://auth.geeksforgeeks.org/user/Jubin%20Kumar%20Soni/practice/>

* HackerRank – 5 star badge in Sql

url - <https://www.hackerrank.com/jubinkumarsoni>