

DEWESH DEO SINGH

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SOFTWARE DEVELOPER / DATA SCIENTIST

ACADEMICS

B.Tech. Software Engineering (2014-2018) 81.72(agg till 6th sem)
*DR1 in 2nd Semester

XIIth CBSE 90.8%

*Received Chandni Chowk Mitra Parishad award.

*Won Gold at Zonal level science debate.

Xth CBSE 10(CGPA)

*Received certificate of merit from CBSE

SKILLS

Programming : C++ , C

*basic level in python , java

Web D : HTML , CSS

Data Manipulation : SQL

Machine Learning : Python

*Done some work in R as well.

Good in Algo-DS, puzzles, OS, DBMS, OOPs & Software-testing.

INTERNSHIP EXPERIENCE

SAMSUNG RESEARCH INSTITUTE, SRIB, BANGALORE : Summer 2017

- I worked with the Data Analytics team of Samsung, on their project titled "USER PROFILE CLASSIFICATION". We had to classify a SAMSUNG device user in approximately 200 categories based on his application usage.
- I was provided with data containing deviceId, appId and duration. A-B classification technique was used.
- Used **pySpark** for manipulating the **Big Data**. Naive Bayes Classifier was used.

PROJECTS

*** Feature subset selection using multi-layered approach**

Size of datasets is a major problem in the Data-Science. With increase in number of features any machine learning operation on them becomes costly. Identification of useful features from the set becomes a problem. In the project I used 3-layered approach of feature selection to identify the useful subset of features.

*** Smart Routing**

This project was done to demonstrate the usefulness and power of **Social Media Data Mining**. A user was provided with best routes from place **A** to place **B** based on various factors like points of interests, traffic, criminal activity, weather etc. Real time traffic updates were obtained from twitter and other information was extracted from other resources.

*** Travel Assist**

Developed an android application for assisting the users in an unknown/new location like a new airport, new mall etc. The power of beacons was utilized in getting the exact location of the user and then assisting them by providing them the information about the place and directions to other places nearby.

*** Network Intrusion Detection System**

Used machine learning approaches to successfully classify the malicious activity from the normal activity and thus prevent the network intrusion in the network.

ACHIEVEMENTS & EXTRA-CURRICULAR

ACHIEVEMENTS

- * Stood 4th in Coding Hackathon conducted by Samsung Bangalore for interns.
- * Received special mention at **Shopclues Spark2** hackathon for "travel assist" application.
- * Received Rs.10,000/-, from DTU for being the department ranker in the second semester.

POSITION OF RESPONSIBILITY

- * I am currently the **Technical Head of Society of Software Engineers, DTU**.

OTHERS

- * Successfully organized **3-Lines-of-code** in COGENESIS-2016; **Testing-geeks**, **Cogitate & Switch-programming** events in COGENESIS-2017.
- * Volunteered for NGO-AVANTI DTU Chapter in 2014-2015 and helped underprivileged kids in education.