

Sonam Dhadiwal

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Seeking a position to apply my data analysis skills as a Data Scientist.

EDUCATION

NEW YORK INSTITUTE OF TECHNOLOGY | GPA : 3.57
MS IN COMPUTER SCIENCE
Expected Graduation December 2017 |
Manhattan, New York

SANJIVANI RURAL EDUCATION SOCIETY, COLLEGE OF ENGINEERING
BE IN COMPUTER ENGINEERING
August 2011 | Pune, India

COURSEWORK

GRADUATE
Analysis of Algorithms, Artificial Intelligence, Topics in Database Management Systems, Programming Language, Biometrics, Theory of computer compilation.

EXPERIENCE

Teaching Assistant | Om Gurudev, India, Dec 2012-Sep 2014
Taught statistics for grade 11 and grade 12 students. It included the topics vectors, matrices, derivatives, integration, probability.

SKILLS

Languages and Frameworks:

- R • My-Sql • Python
- Html • CSS • Javascript • JQuery
- Core java • C

Tools and Applications:

Eclipse • Weka • Matlab • Rapid Miner • Visual Studio • Netbeans

Operating Systems:

Mac OS • Windows • Linux

PROJECTS

GETTING BEST US FARMER MARKET | Hive, MapReduce, Pig
10 Feb 2017-10 May 2017

- This development project helps the user to find the best farmer from any state.
- Data is loaded from data file using Pig and then user applies filters to chosen state is . Filtered data is stored in HDFS.
- Filtered data is given to MapReduce which outputs the data to Hive.
- Using Hive Best Market is found.

ENCRYPTION AND DECRYPTION OF CIPHER TEXT | Numpy, Scipy
1 Nov 2016 - 1 Dec 2016

- Takes message and passes to affine cipher or vigenere cipher, encrypted, and displayed in a file.
- Encrypted text can also be passed to get decrypted text and it can be displayed in a file. Performed Private and Public Key construction to implement these algorithms.

LIBRARY MANAGEMENT SYSTEM | Python, Html, CSS, MySQL
1 Oct 2016 - 1 Dec 2016

- Created pages in Python, Html and CSS to give library information and records of books in library.
- Student and staff records stored in Database along with borrow and return date of books. Fine is applied for delay in returning of books.
- Books can be searched using title, author or ISBN.

DATA ANALYSIS WITH PANDAS | Python, Pandas
20 Feb 2016 - 20 May 2016

- Data Analysis project predicts future probability of population patients with diabetes.
- Load data using Pandas and developed classifier algorithm to classify data.

DATA ANALYSIS WITH EXCEL SHEET | Python, Excel, PDF
1 Feb 2016 - 1 April 2016

- Found out Acceptance Rate and Rejection Rate of Biometric data by converting data file .xls file and using python for calculations.
- Used Bayes classification model data to analyze data.
- Used machine learning algorithm and Weka to analyze data. This data analysis helped to know the factors that helped in reduction of Rejection Rate and increase the security level of application.
- Report is created in PDF.

BUILT OWN PORTFOLIO | Python, Django

- Used Django Framework to build portfolio including blog.
- Created the message() function for contact.