SMIT DOSHI

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EDUCATION

North Carolina State University, Raleigh, NC, USA Aug'17 – May'19
Master's in Computer Science
Coursework: Fundamentals of Data Science, Automated Learning and Data Analysis, Design and Analysis of Algorithms, Spatial-Temporal Data Mining, Artificial Intelligence

Mukesh Patel School of Technology Management and Engineering, Mumbai, India Aug'13- June'17
Bachelor's in technology, Computer Science
Coursework: Data Science and Big Data Analytics, Data Warehousing & Mining, Theoretical Computer Science, Data Structures, Computer Networks, Image processing

WORK EXPERIENCE

OSCAR LABS
Software Engineering Intern, *Django, Web scraping, Natural Language Processing* May'18 – Present
- Handling database operations with website system using Django-models framework
- Performed web scraping solutions using BeautifulSoup, Selenium and NLTK functionalities in Python

TECHNICAL SKILLS

- **Languages & frameworks:** Python3, R, Django framework, Java8, Matlab, SQL, C++, HTML, JavaScript, CSS, UML
- **Softwares:** RStudio, Mathworks-MATLAB, NetBeans 8, SAS Enterprise Guide and Miner, Code::Blocks, Turbo C/C++, Star UML, Prolog, DWG Editor, Android Studio, Adobe Dreamweaver, Microsoft Excel
- **Concepts:** Machine Learning-Data Science, Database handling, Data Structures, Object-oriented programming

ACADEMIC PROJECTS

Aerial Image Segmentation and Object Classification, *Spatial-Temporal Data Mining* Jan'18 – Present
- Objects identification from remote sensing satellite images using image segmentation and OpenGIS specifications
- Involves contour detection using RGB, textures, Laplacian transforms referred from the Berkeley Segmentation Dataset

Spatio-Temporal Outlier Detection in Precipitation Data, *Spatial-Temporal Data Mining* Jan'18 – May'18
- Detecting outliers in precipitation-NOAA-data by modifying Kulldorf scan statistic generating an outlier tree
- Involving concepts of discrepancy values by referring to "Exact grid Top-K" and "Outstretch" algorithms using Python

Similarity Analysis in Short Text, *Automated Learning & Data Analysis, Natural Language Processing* Aug'17 – Dec'17
- Modeled an algorithm for classifying question-samples for short text similarity from Quora-dataset with 65% accuracy
- Involved structural as well as semantic text analysis using "k-shingles" & "cosine similarity" in Python

Holographic Technology, *Image Processing* July'15 – May'17
- Modelled an application to use holographic technology in providing secured image transfer in Matlab
- Compared different methods for encoding the holographic image inspired from bit encoded CDMA

The Wolves Club, *Software Engineering* July'15 – Dec'16
- Documented a health club web portal using object-oriented software models and data flow diagrams using UML
- Incorporated multiple architecture styles like object-oriented and publisher-subscriber with MVC patterns

WORKSHOPS

SAS Workshops Jan'17 – April'17
- Developed skills in Applied Analytics, Elementary statistics-primer and predictive modeling on SAS Enterprise Guide and Miner
- SAS programming 1: Essentials certified by accomplishing the online training regime

EXTRA-CURRICULAR

- Gained skills like time-management, organization, effective communication and ethics by having worked on-campus at servery-dining and proctoring at test centers
- Accomplished Leadership development program certified by Center of Student Leadership, Ethics and Public Service, NCSU