SAMUJJWAAL DEY

Contact No.: +1 312 975 4411   E-mail : sdey9@uic.edu
LinkedIn   : linkedin.com/in/samujjwaal/   GitHub: https://github.com/samujjwaal

SUMMARY
Graduate Computer Science Student actively looking for Summer 2020 Internship opportunities

EDUCATION

University of Illinois at Chicago, Illinois   Expected May 2021
    Master of Science in Computer Science   GPA: 3.33/4

University of Mumbai (VESIT), India   Jul 2015 – Jun 2019
    Bachelor of Engineering in Computer Engineering   CGPA: 8.40/10

TECHNICAL SKILLS

Proficient: Python, Java, numpy, pandas, nltk, sklearn, matplotlib, D3.js, Three.js, HTML, CSS, JavaScript, MySQL, Git, Azure ML Studio,
Familiar: R, PHP, C++, Scala, LabVIEW

ACADEMIC PROJECTS

Design Pattern generator IntelliJ plugin (Java, JavaPoet, Gradle, IntelliJ Platform SDK)   https://git.io/JfO6O
Object-oriented design and implementation of an IntelliJ Plugin for a Design Pattern Code Generator with a type name clash checking functionality

Design Pattern Generator (Java, JavaPoet, sbt)   https://git.io/JfO6B
Object-oriented design and implementation of a Design Pattern Code Generator

Vector Space Retrieval Model on Cranfield corpus (Python, nltk, Jupyter)   https://git.io/JfO6R
Implementing Vector Space Retrieval Model using TF-IDF and cosine similarity

Text Processing of CiteSeer corpus (Python, nltk, Jupyter)   https://git.io/JfO6O
Tokenizing text and determining the word frequencies for all the words in the collection

Spam Email Classifier (Python, sklearn, matplotlib, Jupyter)   https://git.io/JfO6u
Machine Learning Model to classify emails as spam or non-spam

US Election Data Exploration and Modelling (Python, sklearn, matplotlib, Jupyter)   https://git.io/JfO6z
Data Modelling on 2016 US Election Data and US Demographic Data. Creating regression, classification and clustering models.

Visualizing fluid particle flow (Javascript, HTML, Three.js, D3.js)   https://git.io/JfO62
Visualizing a computational fluid flow dataset from the San Diego Supercomputing Center

Visualizing Radiation Therapy Plan Data (Javascript, HTML, Three.js, D3.js)   https://git.io/JfO6a
Identifying Similarities and Dissimilarities between UIC/MDACC RT Plan Data

Water Catchment Control (Python, Folium, Flask, Azure ML Studio)   https://git.io/JfO6V
A system to predict if a region is a drought-prone area using its climatic parameters from APIs

Electricity Consumption System (PHP, HTML, jQuery, SQL)   https://git.io/JfO6w
Web application to help users monitor their domestic electricity consumption to check against faulty power bills and power thefts in India

INTERNSHIP EXPERIENCE

Summer Project Trainee, Bhabha Atomic Research Centre, India   **May 2018 – Jul 2018**
Radiation and Photochemistry Division
- Developed a Data Acquisition system using LabVIEW for a Low-Temperature Measurement setup
- Converted existing LabWindows code for nano voltmeter, milliammeter and current source into LabVIEW code to make operations faster and help scientists record more precise observations
- Designed a common control dashboard for the instruments using LabVIEW

Team Member & Leader, AIESEC Navi Mumbai, India   **Jul 2016 – Aug 2017**
Operations Incoming Global Volunteers
- Conducted Skype interviews to select potential international volunteers for a Mumbai based Women Empowerment NGO
- Kept track of International Relations with AIESEC local chapters of other nations

Junior Data Analyst Intern, Nuclei Technologies, India   **Jun 2016 – Jul 2016**
- Received hands-on training on R and studied various data collection and data preparation methods
- Researched how to develop a stock market prediction model on R