SAMUJJWAAL DEY

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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: 3.42/4

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

Web Search Engine on UIC Domain (Python, nltk, beautifulsoup4, Jupyter) https://git.io/Jf2bm
Web search engine to retrieve most relevant webpages for user search query, from webpages crawled on the UIC domain

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/JfO60
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

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