Sushmitha Sekuboyina

ssekuboyina@hawk.iit.edu | +1 (312) 539-9254 | linkedin.com/in/ssekuboyina/

CAREER OBJECTIVE: Committed to strive in the field of cloud computing, data analytics and business intelligence

EDUCATION

Illinois Institute of Technology, Chicago, IL *August 2017 - Present*
Master of Science (MS) degree in Computer Science

SRM University, Chennai, India *June 2013 - May 2017*
Bachelor of Technology (B.Tech) in Computer Science and Engineering

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SKILLS

Programming Languages:	Python - Pandas, Scikit Learn, R, Java, C.
Web Technologies:	HTML5, CSS, PHP, Javascript.
Cloud Technologies:	S3, EC2, ELB, AutoScaling, Lambda, API Gateway, SNS, SQS, CI/CD.
Databases:	MySQL, Oracle 11g, DymanoDB, RDS.
Tool & Utilities:	Microsoft Project/Excel/Azure, Tableau, Orange, Jupyter notebook.
Concepts & Libraries:	TCP/IP, Advance Data Mining, Machine learning, Computer vision, Data Integration and warehousing, Algorithms, Big data Technologies, Mobile Application Development..

CERTIFICATIONS

➢ **AWS Certified Developer - Associate. (Issue Date:** March 2019**)**
➢ **AWS Certified Solutions Architect - Associate. (Issue Date:** February 2019)
➢ **AWS Certified Cloud Practitioner. (Issue Date:** December 2018**)**

RESEARCH PUBLICATIONS

International Journal for Research in Applied Science and Engineering Technology

Aditi C., Kaveri R., Tadeesha R. and Sushmitha S. "Managing Big Data and Semantics (Wiki pages) in NoSQL format by implementing efficient algorithms in Python", International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 5, Issue XI, November 2017.

WORK EXPERIENCE

SNABERISH Pvt Ltd., India **(December 2016 - August 2017)**
Data Analysis Intern
- Conducted statistical analysis on production rate, feed, raw materials used.
- Implemented analytical and business models which facilitated more efficient reporting structure.
- Presented reports to department head and the senior managers aiding their decision making.
- Inventory control and updating stock databases.
- Underwent training in data warehousing and data modeling.

MIRACLE SOFTWARE SYSTEMS Ltd, India **(May 2016 - July 2016)**
Networks Summer Intern
- Provided support for end users. Anticipated and analysed common connectivity workflow problems.
- Ran and analysed call processing flows and trafic problems to study optimum configuration.
- Analysed real time applications of TCP/IP protocols. Installed IP, network equipment and facilities.
- Analysed user generated troubled tickets to determine causes of problems and took appropriate action for resolution.

PROJECTS

STOCK MARKET ANDROID APPLICATION *March, 2019*
Illinois Institute of Technology, under Prof. Christopher Heild Chicago, USA

- Stock Market application displays the sorted list of selected stocks and retrieves the live data from the internet.
- The application was created using RecyclerView, Constraint Layout, Menus, Multiple Async Tasks, JSON data, Swipe-Refresh, SQLite-Database and the internet.

COMPARATIVE ANALYSIS OF VARIOUS SQL ENGINES ON HDFS   *November, 2018*
Illinois Institute of Technology, under Prof. Adam McElhinney   Chicago, USA

- Evaluated the various SQL query execution times on HDFS to determine the most efficient big-data platform. That is, the engine with the least response time or query execution time is the better performing SQL engine.
- Performed the above analysis using small and medium sized datasets on SQL platforms like, **Spark, Hive, Drill, Redshift, Impala and Google BigQuery**.

LDA/WORD2VEC FOR SEMANTIC SEARCH   *April, 2018*
Illinois Institute of Technology, under Prof. Irina Matveeva   Chicago, USA

- Performed topic modeling techniques like latent dirichlet allocation and word2vec on five million reviews of Yelp dataset.
- Languages used: **Python** and **R**. Platform: **AWS**.

IMAGE INPAINTING.   *November, 2017*
Illinois Institute of Technology, under Prof. Gady Agam   Chicago, USA

- Developed an image inpainting algorithm using the fast marching method in Python.
- Analyzed the traditional inpainting algorithms and compared the results with our implementation.
- The OpenCv built-in functions for image inpainting are compared with our implementation to estimate the accuracy of our method.

ADDRESS RESOLUTION PROTOCOL.   *November, 2017*
Illinois Institute of Technology, under Prof. Edward Chlebus   Chicago, USA

- Analyzed the functionality of the ARP protocol when the interface number is removed from the routing table.
- Analyzed the role of selecting an optimal timeout for the cache table and issues related to this choice.

AUTOMATED SMART CAR PARKING NAVIGATION ALLOCATION SYSTEM IN MALLS. *May 2017*
SRM University, under Prof. Dr. T. Peer Meera Labbai   Tamil Nadu, India

- Implemented a smart parking navigation and allocation system using RFID and wireless sensor technology which provided advanced features like remote parking, automated guidance, and parking reservation mechanism.
- Developed a Web Application which allows the parking system operator to keep track of the entries. User information like username, phone number, car number are retrieved from the RDIF tag and also the entry and exit time of the car are recorded in the system.
- Developed an android application as an user interface which allows users to login to the application using their userID and password and reserve parking space. This application also provides an audio navigation to the target parking space.