SUSHMITHA S N

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https://www.linkedin.com/in/sushmitha-sn/ | https://sushmithanataraj.github.io/SushmithaPortfolio/

EDUCATION

Master of Science, Computer Science   GPA: 3.84   May 2021
University of Utah, Salt Lake City, Utah
Coursework: Advanced Algorithms, Visualization for Data Science, Data Mining, Artificial Intelligence

Bachelor of Engineering, Information Science and Engineering   GPA: 9.16/10   May 2016
Sri Jayachamarajendra College of Engineering, Mysore, India

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C, Java, C++, HTML, CSS
Frameworks, Libraries & Runtime Environments: Express, React, Puppeteer, Cheerio, Node.js
Scripting & Debugging: Dtrace, Unix Shell scripting, MDB   **Version Control:** Git, Mercurial
Platforms & Architecture: Windows, Unix, Solaris, SPARC, X86   **Databases:** MongoDB, MySQL, Oracle

EXPERIENCE

Software Development Intern   **Atomic Fi, Inc**   May 2020 - Aug 2020
- Developed solutions to authenticate customers into their payroll account and to verify a user's income and employment status through AtomicFi Transact.
- Developed a web-based MongoDB query portal using Node.js, Express, and React that facilitates AtomicFi engineers with their daily work.
- Built numerous crawlers and robotic process automation scripts to gather valuable data.

Graduate Teaching Assistant   **University of Utah**   Aug 2019 - May 2020
- Reinforced lessons presented by Professors, developed programming assignments solutions, held office hours, conducted lab sessions and code reviews, and graded student assignments.

Associate Software Engineer   **Oracle India Pvt. Ltd**   Jun 2016 - Jul 2019
- Developed new features in Solaris Storage Drivers.
- Made significant improvements to FC, NPIV, SCSI Target Driver, MPXIO code base by successfully resolving high priority bugs in mpathadm, npiv, fcinfo command space.
- Developed a new feature to allow host failover on receiving a special sense key from Hitachi storage.

ACADEMIC PROJECTS

Analyzing Chicago Taxi Trips Behavior via Data Mining   Feb 2020 - April 2020
- Developed a model to predict the average speed of the taxi trip by applying methods like Clustering, and Linear Regression and improved the model by finding out the most significant attributes that affect speed.
https://github.com/SushmithaNataraj/Data-Mining-Project

Interactive Visualization of the USA air pollution   Oct 2019 - Dec 2019
- Developed an interactive website for demonstrating pollution trends in the US, which allows the user to visualize the trend in the various air pollutants.
- It also enables the user to compare the pollution level between any two selected states.
https://sushmithanataraj.github.io/Data-Visualization-Project/

Data Visualization using Classification and Clustering Algorithms   Feb 2015 - Apr 2015
- Implemented K-means cluster analysis algorithm for PCA-reduced pen digit data-set with 16 attributes and 10 classes using Scilab.
- Applied PCA to reduce the dimensionality of the raw IRIS dataset and used KNN classification for classifying the IRIS dataset using Scilab.

HONORS & ACTIVITIES

- Google Tapia Scholar 2020.
- WIT Regatta Scholar 2020.
- Vice President Membership of IBCT Toastmasters for the term Jan 2019 - Jun 2019.
- Sergeant at Arms of IBCT Toastmasters for the term Jun 2018 - Dec 2018.