SUSHMITHA S N

Salt Lake City, Utah - 84102 | 707-360-7221 | sushmitha.sn@utah.edu
https://www.linkedin.com/in/sushmitha-sn/ | https://sushmithanataraj.github.io/SushmithaPortfolio/

EDUCATION

Master of Science, Computer Science　　　　　　　　　　GPA: 3.8335　　　　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, C++, Java, HTML, CSS

Frameworks, Libraries & Runtime Environments: Express, React, Puppeteer, Cheerio, Node.js

Scripting & Debugging: Dtrace, Unix Shell scripting, MDB

Platforms & Architecture: Windows, Unix, Solaris, SPARC, X86

Databases: MongoDB, MySQL, Oracle

Version Control: Git, Mercurial

EXPERIENCE

Software Development Intern　　　　　　　**Atomic Fi, Inc**　　　　　May 2020 - Aug 2020

- Developed solutions for authenticating customers into their payroll account and verifying a user's income and employment status through AtomicFi Transact.
- Developed a web-based query portal for MongoDB using Node.js, Express, and React that helps AtomicFi engineers with their day-to-day work.

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, code reviews, and graded student assignments.

Associate Software Engineer　　　　　　　**Oracle India Pvt. Ltd**　　　Jun 2016 - Jul 2019

- Developed new features in Storage Drivers such as SCSI Target Driver, MPXIO.
- Troubleshot the customer bugs, designed solutions, setup complex lab to reproduce the customer issues, performed live debugging on the customer environment, found the root cause, and developed and integrated the fix.

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.
- 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.