SHRAVANTHI BHOOPALAM SUDHARSHAN

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EDUCATION

Master of Science in Computer Engineering **Aug 2021**
San Jose State University, San Jose, California
Coursework: Object Oriented Programming, Data Structures and Algorithms, Data Mining, Machine Learning, Big Data, Operating Systems.

Bachelor of Engineering in Electrical and Electronics Engineering **Sept 2016**
Visvesvaraya Technological University, Bangalore, India **3.40/4.00**

TECHNICAL SKILLS

Languages **:** C, C++, Python, Java, SAP ABAP on HANA, SQL, HTML, Embedded C
Tools and Applications: Eclipse, CLion, SAP GUI 7.4, GIT, MATLAB, AutoCAD, Jupyter Notebook, PyCharm
Data Science **:** Hadoop, Spark, Keras, Sklearn, TensorFlow, Scikit-Learn, NumPy, Matplotlib, Pandas
Operating Systems **:** Linux, Windows, iOS

PROFESSIONAL EXPERIENCE

Software Development Engineer, Accenture, Bangalore, India **Nov 2016 - Feb 2019**

- Worked on SAP, ERP on ABAP Dictionary, ABAP on HANA development objects
- SAP ABAP on S/4 HANA development of Core Data Services (CDS) Views and Customer Activity Repository (CAR)
- Worked on Development deliverable independently, comprising technical skills in Object Oriented programming (ABAP OO), Reports (ALV - Interactive and Classic), Creation and Maintenance of tables, Enhancements, User Exits, BADI's, BAPI, Forms (Smartforms, SAP Scripts, Adobe forms) , Screen programming (Module Pool), ALE / IDOCs, FIORI, SAP Web Dynpro-ABAP, Performance analysis, Code reviews, ABAP Test Cockpit(ATC)
- Development of graphical user interface that provides the user access to several functions (Dialog programming)
- Created data migration tools on SQL Databases
- Agile delivery model delivering frequent production releases
- Requirement gathering, solution designing, Implementation and development for various product industries

PROJECTS

Data Science: Water Quality Evaluation and Prediction of Salton Sea, San Jose State University **Fall 2019**

- Working on a real-time Machine Learning Application for evaluation and prediction of water quality based on daily changes of concentrations of various parameters effecting water quality index at imperial county, Salton Sea, California
- Using Big Data Analysis for finding missing values using Linear Regression, Root Mean Square and K-Nearest techniques for pre-processing the raw data provided by USGS
- Visualizing and Feature Scaling the data and implementing algorithms like Neural Network, Random Forest, Long Short-term Methods and Decision trees for water quality prediction

Data Science: Housing Price Prediction, San Jose State University **Fall 2019**

- Designed machine learning algorithms with TensorFlow to predict median house values in Californian districts, given various features from these districts
- Data cleaning, feature scaling, data normalization and application of Linear Regression, and Random Forests models on the dataset provided by Kaggle

Project Intern, Defense Research Development Organization, India **Jan 2016**

- Designed a transmitter status monitoring system for a RADAR using Atmega128.
- Programmed in embedded C and simulated fault conditions to evaluate its functionality

Paper, IRJET (International Research Journal of Engineering and Technology), India **Sept 2015**

- The paper was to produce a prototype that can detect objects around users and alert the users with voice messages and vibrations. It used programming of PIC16f877a microcontroller using embedded C language along with IR sensors to detect the obstacles and made use of MP3 audio module for voice playback

SKILLS AND LEADERSHIP

- Volunteer at Make a Difference (MAD) and Teach For India (TFI) – Camp Diaries: Provided academic support for underprivileged kids in Mathematics and Science
- Conceptualized and successfully started an NGO to teach cognitive and non-cognitive skills for under privileged children