ASHWIN ALAGAR PANDI

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EDUCATION

Master of Science in Business Intelligence and Analytics **05/2016**
Saint Joseph's University Philadelphia, PA, USA
Haub School of Business **GPA 3.77/4**

Bachelor of Technology in Information Technology **06/2013**
College of Engineering Guindy, Anna University, Chennai, India
Computer Science and Engineering

SKILLS & ACCOMPLISHMENT

Programming: C, C++, R, Python, Java, SQL, MIB, Html, CSS, Php, Json, Java Script.
Python: NumPy, Pandas, Scikit-learn, Seaborn, SciPy, Sklearn, NLTK. Familiar with **Unix**, Shell Scripting
Statistics: Regression, Classification, Clustering, Time-series modeling, Supervised & Unsupervised Learning
Concepts: Data Structures, TCP/IP Programming, Amazon Web Service (AWS), Machine Learning
Big Data: Apache Spark. **Tools:** Tableau 9, Data Exploration in R, Google Analytics, Weka 3, JMP
Desktop Software: Microsoft Access and Excel **Version control system:** GitHub

PROJECTS

Movie Suggestion (Netflix - Similar movie prediction) **11/2015 - 12/2015**
- **Data-set:** 1Million ratings from 1000 users on 1700 movies.
- Developed a code which runs on multiple clusters (node) - Disturbed System.
- Improved the code performance in node with better movie suggestions.

Core Technology: Spark, Python, Pyspark, Amazon Web Services(AWS), Elastic Compute Cloud, Elastic Map Reduce.

Natural Language Processing (Email Ham-Spam Detection) **11/2015 - 12/2015**
- Exploratory Data Analysis & Text Pre Processing, Created a model which detects Ham and Spam.
- Utilized Navie Bayes classifier to implement this model.
- **Core Technologies**: Python, Pandas, NumPy, Sklearn, NLTK, Matploltlib, Natural Language Processing.

Titanic-Machine Learning from Disaster **10/2015 - 11/2015**
- Descriptive analytics: What happened to the people who traveled in Titanic Ship?
- Data Visualization using Python Seaborn and Matploltlib in IPython notebook viewer.

Abalone Age Prediction - Predictive Analytics **08/2015 - 10/2015**
- **Data Set** - Observations consist of physical measurements of Abalone such as height, gender, weight , etc.
- Abalone age is predicted by predicting the number of rings present on the shell.
- **Methodology:** Data Exploration, Data Preparation, Modeling, Deploying the model.
- **Artificial Intelligence Algorithm:** Regression, Decision Tree, Neural Network, Auto Neural Network
- **Tool:** SAS enterprise Miner 7, JMP.

WORK EXPERIENCE

Aricent, Chennai, India - Software Engineer **02/2014 – 12/2014**
- Implemented the SNMP protocol for Network Management.
- Utilized the protocol to collect information and configured the network devises such as hubs, switches and routers on an Internet Protocol (IP) network.

Core Technologies: C, C++, MIB. **Paradigms:** Agile Development

HONORS AND AWARDS

- Certified Python for Data Analysis and Visualization programmer by Udemy **2016**
- Certified Big data - Apache Spark programmer by Udemy **2016**
- **SAS** recognizes to achieve a Business Intelligence Certificate. **2015**
- Successfully completed NALANDA's PRISM Training program at Aricent. **2014**
- Final year UG project was judged as one of the best project in the department. **2013**
- Won 8 National Awards in Robotics Competition **2010 - 2011**
- Proposed an idea to implement a ROBO CAR, which senses accidents and reports it back using GPS & GSM, which is approved by IEEE committee. **2011**