**Amarnath Jagannathan**

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**SUMMARY**

Dedicated and motivated data analyst with ability to identify business needs and develop valuable solutions to drive accuracy and process efficiency. Drives business effectiveness through making recommendations based on data findings. Seeking an assignment to utilize my skills and abilities that offers professional growth while being resourceful in the field of Data Science/ Machine Learning/ Python/ MySQL.

* **Analytical and process-oriented professional with good knowledge of data analysis,** research methodologies, data capture, manipulation and visualization.
* **Skilled in establishing insights and data analytics** for discovering new opportunities to optimize the business through analytics and statistical techniques.
* **Understanding of converting unstructured data into structured data using ML techniques like NLP.**
* **Ability to provide support to business areas through data processing** to facilitate decision making and future business strategies.
* **Good exposure of developing and maintaining databases by acquiring data from primary and secondary sources** that will make data evaluation process more flexible.
* **Possess excellent communication, planning, execution, monitoring and problem-solving skills** as well as the ability to handle multiple tasks in high pressure environments under tight deadlines.

**SKILLS**

* Machine Learning - Regression, Classification and Unsupervised Learning (Clustering)
* MySQL
* Tableau
* Python – numpy, pandas and SciPy
* Statistics
* Exploratory Data Analysis (EDA)
* Principal Component Analysis (PCA)
* Natural Language Processing (NLP)
* Excel

**ACADEMIC PROJECT**

**SMARTPHONE SUGGESTION based on SENTIMENT ANALYSIS of CUSTOMER REVIEWS**:

* Suggesting the best smartphones to the users based upon their requirements by analyzing the user reviews of the smartphones which has been extracted from E-Commerce platforms. Furthermore, we intend to rate the smartphones based on camera, graphics, display, performance and battery.

**Business Benefits:** In the view of research and commercial value, this project will help the smartphone brands to identify the customer reception of the smartphones and how to improve them.

**Algorithms used:** Multinomial NB, Logistic Regression, Support Vector Machine, Count Vectorizer, TF-IDF Vectorizer

**PROFESSIONAL EXPERIENCE**

Sanmina-SCI India Pvt. Ltd., Chennai | October 2018 – February 2020

**ENGINEERING ASSISTANT**

* Performed analysis, testing and validation of the parameters of the selective soldering machine (high-end tech in PCB Mfg.) in order to improve the reliability, quality of the PCB and to reduce cost of production, cycle time.
* Automated the sealant process of Ather scooter electronic parts by using dispenser robots.
* Validated and released the Sleever and Pester machines for the production of buffer solution which is used to diagnose Tuberculosis.
* Cross-functional team (CFT) member of the Cepheid project.

**EDUCATION**

**Post-Graduation in Data Science and Engineering**, 90% Mar 2020 - Jan 2021

*Great Lakes Institute of Management, Chennai.*

**B.E. in Mechanical Engineering**, 7.2 CGPA Aug 2014 - Apr 2018

*Agni College of Technology, Chennai.*

**HSC in Computer Science,** 86% Apr 2012 - May 2014

*Sri Sankara Vidyashramam MHSS, Chennai.*

**CERTIFICATIONS**

**Natural Language Processing** - Udemy - Jan 2021 | **MS Excel at intermediate level** - Great Learning - Jan 2021