

SIDDHARTHA SHANMUHVEL

Data Analytics / Machine Learning Engineer / NLP / Data Visualization / Full Stack Developer

🏠 Cork, Ireland

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PROFESSIONAL SUMMARY

- Experienced individual with strong statistical analytic & coding capabilities and ability to work with a variety of data environment.
- Looking to apply extensive programming & analytics experience in a fast-paced and dynamic firm to create.
- Coming with strong foundation in model building & math, coupled with 3+ years of Programming experience and Master's degree in Data Science & Analytics.

EDUCATION

Master of Science in Data Science & Analytics

University College Cork | Cork, Ireland | 2019 - 2020 | **Pursuing** | **1:1**

- Relevant Coursework: Linear & Generalized Linear Models, Statistical & Machine Learning I & II, Data Mining, Deep Learning, Python for Data Science (Data Cleansing, Manipulation, EDA), RDBMS, Information Storage & Retrieval

Post Graduate Program in Data Science & Engineering

Great Lakes Institute of Management | Bangalore, India | 2018 - 2019 | **85%**

- Course Modules: Introduction to programming using Python, Statistical Methods for Decision Making, SQL Programming, Linear & Logistic Regression, Machine learning, Text Mining, Data Visualization using Tableau, Time Series Forecasting

Bachelor's in Mechanical Engineering

Sathyabama University | Chennai, India | 2012 - 2016 | **7.74 GPA**

PROFESSIONAL EXPERIENCE

Infosys Limited

Chennai, India | **May 2016 – July 2019**

Senior Systems Engineer

- Project Title: **Design and Development of an AI powered Chatbot**
 - Spearheaded the development of a chatbot which assists the employees to find & retrieve the required KT (Knowledge Transfer) documents from the Archives
 - Collected the data and trained models by scanning for keywords within the input, then pull a reply with the most matching keywords, or the most similar wording pattern, from our database
 - Used Bag of words, TF-IDF, RAKE to Extract Keywords, from the abstract
 - Coded all the back-end validations and wrote unit test cases for testing each scenario
 - Conducted Knowledge transfer sessions in the team to equip newly joined teammates on latest trends in technology and other open source tools that can be used in software development

Systems Engineer

- Project Title: **Web Application development for American Express (AMEX)**
 - Core member of the development of a B2B application using Java Spring (back end) and HTML5, CSS (Front end) to setup deals between them and third parties across globe
 - Automated the complete process of setting up the deal & removed the manual effort required
 - Migrated the code from SVN to GIT
 - Simplified the project builds using Automation tools like Apache Maven
 - Seamlessly set up CI/CD environments using Jenkins. Also, used it for building, testing, and deploying our code in Production and Test Environments



TECHNICAL SKILLS

Analytics	Python – Pandas, NumPy, Scikit Learn, Seaborn, Matplotlib, nltk, Text Blob, Tweepy, Scrapy, BeautifulSoup
	R, SQL, Office Packages, EDA, Data cleaning, Feature Engineering
	Supervised & Unsupervised Learning, Ensemble techniques
	Text Mining – Sentiment Analysis, Text Categorization, Web Scrapping
	Time Series Forecasting, PCA – Dimensionality reduction, Deep learning
Other Languages	Java, HTML 5, CSS, JavaScript
Visualization	Tableau, QlikView, D3.js
Source Code Management	Subversion, Git
Build Automation Tools	Maven, Jenkins
Frameworks	Java :: Spring, Hibernate, REST Python :: Django, Flask

PROJECTS

- Application for *Job Search Analytics* against the Keyword provided
 - Key skills:** Python, BeautifulSoup, Pandas, Requests, SPACY, NLTK
- Loyalty Reward Program* for a U.S. Retailer
 - Key skills:** Python, Recommendation System, Regression, Ensemble methods
- Recognizing Handwritten Digits Using *Deep Neural Networks*
 - Key skills:** Python, CNN, Keras
- Social Media Analytics* of the Fashion Industry
 - Key skills:** Python, Tweepy, NLTK, Tableau
- Text Categorization* of 500+ News Articles
 - Key skills:** R, MLR, TM

Hobbies

-  Football
-  Photography
-  Cooking
-  Chess

Languages Known

- English (C1)
- Deutsche (B1)
- Tamil (C2)
- French (A1)

Visa Status

- Type: Stamp 1G (in Pipeline)
- Validity : Until 2022

