KARTHIKEYAN VISWANATHAN

Data science Engineer

Data science engineer experienced working with vast data set to break down information, gather relevant points and solve advanced business problems. Skilled in data handling, predictive modeling scaling and executing the model using cloud technology.

✉ yankarto07@gmail.com   📱 +919790863163   📍 Chennai, India   🔘 github.com/yankarto

EXPERIENCE

Engineer, Mindtree Ltd *(Oct 2019 – Present)* Bengaluru

To suggest correct quantity to correct distributor at pack level using advanced machine learning time series forecasting technique.

Technology used: Python, R, Time series Forecasting (Auto-Arima, S-Arima Bats, FB-Prophet, Gluon-TS)
Service used: AWS EC2, Spot Instance, EMR, S3, Redshift.

This Solution was scaled on humongous level for 1.1 million models which are used for prediction. This resulted of spanning around 8000 EC2 and Spot Instance, for deployment at a 70 % less cost than ON demand EC2 instance which has major role to play for its success.

Provided comprehensive analysis and recommend solutions to address complex business problems and issues using data from internal and external sources and applied advanced analytical methods to assess factors impacting growth and profitability across product and service offerings.

Established frameworks for running Machine learning models using cloud technology Transformed project data requirements into project data models.
Developed, implemented, supported and maintained data analytics protocols, standards and documentation.

EDUCATION

MASTERS OF DATA SCIENCE AND ENGINEERING *(Anticipated completion Apri,2023)*
Birla Institute of Technology & Science, WILP

BACHELOR OF COMPUTER SCIENCE ENGINEERING (2015 – 2019) Chennai
Jeppiaar Maamallan engineering college ,under Anna university

Higher Secondary & Secondary school
Daniel Thomas Matric Higher Sec School (2015) Chennai

PERSONAL PROJECTS

Analyzing the neighborhood of Chennai to start chain of restaurants(Dec 2020)
- The process started from data scrapping in Wikipedia page and understanding data using visualizing and using Unsupervised learning to extract the top 10 cities with the recommendation in type of restaurant.

Kaggle competition (Jan 2020)
- Classification of question on Quora using Recurrent Neural Network algorithm.

ML model on Titanic data set (Dec 2019)
- Worked on Classification, Regression and clustering algorithm Such as Logistic Regression, KNN, Support vector machine, Random Forest, Simple & Multiple Regression, K-means and DBSCAN algorithm.

Recommendation Engine using IMDB Data set (Nov 2019)
- Worked on movie content and collaborative recommendation using IMDB data set.

TECHNICAL SKILLS

Advanced Excel   Python   R   SQL

Machine Learning   AWS - EC2, EMR, Redshift

ACHIEVEMENTS

Undergone and cleared Mindtree Kalinga Orchard Training in 'Data science Skill track' (Oct-2019)

Participated in 'SMART INDIA HACKATHON ' conducted by the central government of India (2018)
selected as top 10 best projects

Organized Symposium "Jet Byte 2k17" as a coordinator for "debugging event" (2017)
Jeppiaar Maamallan Engineering College

Participated at Football, zonal level and divisional level competitions (2009 - 2015)

HONOR AWARDS

A-Team Award (Dec 2020)
Mindtree Ltd

Master Mind Award (Dec 2020)
Mindtree Ltd

A-Team Award (Mar 2020)
Mindtree Ltd

Football Under-19 Runner (2015)
School Education Department

CERTIFICATIONS

IBM Data science Professional Certificate (02/2021)
From Coursera

Introduction to Databases and SQL Querying (02/2020)
From Udemy

Advance Excel (01/2020)
From Simplilearn

Data Visualization with python (11/2019)
From IBM Cognitive Class

Data science for engineers (03/2019)
From NPTEL, IIT Madras

JAVA Enterprise Edition (09/2017 - 12/2017)
From NIIT

INTEREST

Analytics   Artificial Intelligence   NLP