CURRICULUM VITAE

Name   : **Kishore Kumar Kumaravel**

D.O.B   : **25-06-1996**

Age   : **25 years old**

Gender   : **Male**

Nationality   : **Indian**

Marital Status   : **Single**

Visa Status   : **Employment Pass**

Email   : **kishorekumarkumaravel@gmail.com**

Contact Number   : **87798324**

Availability   : **1 month Notice**

PROFILE SUMMARY

- Master of IT in Business(Data analytics Track and Financial Technology) from SMU, Singapore and Graduate Diploma in System Analysis in 2017 from National University of Singapore, Singapore, and Bachelor's Degree in Electrical and Electronics Engineering from University of Bradford, United Kingdom
- Having over 2+ years of coding experience in software and R&D(Data science) industry, have designed enhanced analytic tools to assess the completeness and accuracy of Health data submitted by clients.
- Relevant 4+ years of experience coding in Python, R.
- Having over 3+ years of Experience in Excel, VBA, C#, C, C++.
- Having over 2+ years in Visualization softwares(Tableau, PowerBI)
- hands-on experience implementing data migration and data processing using Azure services: ADLS, Azure Data Factory, Azure Functions, Synapse/DW, Azure SQL DB, Event Hub, IOT Hub, Azure Stream Analytics, Azure Analysis Service, HDInsight
- Created Statistical reports, query reports and dashboards for the Clients
- Having good working experience in complete Agile methodologies.
- Implemented macros, Queries and process automations for achieving efficiency and effectiveness.
- Experienced working with Big Data, AWS and Hadoop tools.
- Experienced in working with clients for extracting technical documentation, expected analysis, development (Using python and R).
- Troubleshoot completed parts of the project to rectify poor performance and offer solutions to resolve issues both in the immediate future and for the longer term
- Ensured smooth running of the projects by providing necessary support to the teams
- Reviewed Code for compliance to requirement

EDUCATION

Master of IT in Business(Data Analytics and AI)   **Singapore,SG**
Singapore Management University(SMU), Singapore   Jan 2019-Jan 2021

Graduate Diploma in System Analysis   **Singapore,SG**
National University of Singapore(NUS), Singapore   Jan 2017-Feb 2018

Bachelor's in Electrical and Electronics Engineering (Honors) **United Kingdom,UK**
University of Bradford, UK   Sep 2013-Sep 2016

SKILLS & COMPETENCIES

- R, C++, SAS, JMP PRO ,Python, Tableau ,JAVA , JSON, jQuery ,WCF ,SQL, PowerBI
- MySql, oracle, Hadoop, AWS, Apache Spark.
- Oracle DB, Microsoft Excel, WEKA, Feature Engineering, Tensorflow, MATLAB, GT1, ISTA, Autologic, Launch X431/ Baum Tool DS2021
- Arduino IDE, AutoCAD, SolidWorks, Microsoft Access, REST APIs, Agile Development (SCRUM), Unit Testing, Continuous Integration.
- Apache, Apache Tomcat,MPLAB x IDE, Mobile Development (Android & iOS), LINQ & LAMBDA (for SQL programming), HTML, XML, CSS, ASP.NET, ADO.NET, DEVOPS.
- ADLS, Azure Data Factory, Azure Functions, Synapse/DW, Azure SQL DB, Event Hub, IOT Hub, Azure Stream Analytics, Azure Analysis Service, HDInsight

Key Result Areas:
- Develop a process flow and set of scripts to translate the raw data into an intuitive machine learning friendly
  format that breaks down the multimodal features of interest by point of care evolution.
- Performed Data Extraction, Pre-Processing and Feature Engineering process.
- Created dashboards to visualise Data and extract insights.
- Designed and developed phase 1 &2 of model development from coding, testing and implementation. Managed database entries, Systems Implementation and version control.
- Implemented Machine learning algorithms, predictive models, time series forecasting and correlation analysis.
- Characterize clinically relevant topic key phrases in medical records and voice data(Medical Data).

WORKING EXPERIENCE

Haier Singapore Investment PVT LTD   **JAN 2020 - PRESENT**
Big Data Engineer

Environment: Spyder, Excel, VBA, R Studio, PowerBI, Jupyter notebook, Spark, MySql, SSIS, MS Azure

Language/Technology Used: Python, R , SQL, PowerQuery, DAX, Powershell script, Java

Responsibility:

• Designed, implemented and maintained BI reports with Microsoft Power BI for Haier internal stakeholders, which saved large amount of manual reporting work and operation costs

  • Built and maintained robust and efficient ETL workflows
  • Set up and optimized a sales forecast model for a Haier overseas company with variance less than 10%, and embedded forecast results as part of BAU reports.

• Azure Account Administrator and Data Engineer:

  i)   ingest, egress, and transform data from multiple sources using Azure Data Factory, Data Migration Service, SSIS.
  ii)   hands-on experience implementing data migration and data processing using Azure services: ADLS, Azure Data Factory, Azure Functions, Synapse/DW, Azure SQL DB, Event Hub, IOT Hub, Azure Stream Analytics, Azure Analysis Service, HDInsight
  iii) Collaborate with business stakeholders to identify and meet data requirements.
  iv)   Designed and implemented current Azure architecture utilized by the business. Manage, monitor, and ensure the security and privacy of data to satisfy business needs.

• Responsible for developing machine learning/deep learning models for driving the international business growth.

Lead the following data science projects:
- Sales/Financial Forecast with time-series analysis
- Financial Anomaly Detection
- E-commerce data mining and NLP Analytics
- Customer Insights Analytics
• Conducted Quality Assurance (QA) practice for all internal projects
• Composed user guide and conducted Power BI training for business users

SOFTLOGIC PVT LTD, INDIA   **JUN 2018 - DEC 2018**
Junior Data Analyst

Project : Marketing and Business Analysis For WWF(World Wide Fund For Nature)

Environment: Spyder, Excel, VBA, R Studio, Tableau, Jupyter notebook, Spark, MySql

Language/Technology Used: Python, R , SQL

Description: To support the process of making data driven decisions to improve the effectiveness of operational & fundraising strategies.

Responsibility:

- Responsible for extracting, segmenting and analysing data for use in our fundraising, financial and communication activities
- Oversee and seek the most effective methods of gathering, managing and analysing data to fully support income generation
- Generate data selections including queries, data segmentation, marketing analysis and how these insights will support the organisation, thus maximising the benefits
- Identify, analyse, and interpret trends or patterns in complex data sets
- Create and maintain rich interactive visualizations and reports via Tableau and integrate various reporting components from multiple data sources.

RCL FEEDER, Singapore   **FEB 2018 - APR 2018**
Research Engineer/Data Analyst

Project : Building and restoration of modules in Legacy System

Environment: Eclipse, Oracle

Language/Technology Used: Java, SQL

Responsibility:

- Manage and update Database Entries
- Design, develop, document, analyze, create, test and modify computer systems, programs and integrations.
- Apply system-analyst techniques and procedures, including consulting with users to determine hardware, software or systems functional specifications
- Document the functionality and requirements.

A*STAR(I2R), Singapore   **SEP 2017 - FEB 2018**
Research Engineer/Data Analyst

Project : Multimodal data analytics in Healthcare(Cardiology)

Environment: Spyder, Excel, VBA, R Studio, Tableau, PowerBI, Matlab, Hadoop, Jupyter notebook

Language/Technology Used: R, Python, C#, Python, C.

Description   :

Data Extraction and mining large medical data sets to perform in-depth, statistical analysis on Clinical parameters of the patients. Perform Time series analysis and prediction on the patient's Health and wellness. And Cross reference medical records with Voice data.

Responsibility:

- Develop a process flow and set of scripts to translate the raw data into an intuitive machine learning friendly
  format that breaks down the multimodal features of interest by point of care evolution.
- Performed Data Extraction, Pre-Processing and Feature Engineering process.
- Created dashboards to visualise Data and extract insights.
- Designed and developed phase 1 &2 of model development from coding, testing and implementation. Managed database entries, Systems Implementation and version control.
- Implemented Machine learning algorithms, predictive models, time series forecasting and correlation analysis.
- Characterize clinically relevant topic key phrases in medical records and voice data.

SOFTLOGIC PVT LTD, INDIA   **Sep 2016 - Jan 2017**
Software Developer

Project : Grocery Store Stock Management System
Language/Technology Used: C#, SQL, ASP.NET

Description: inspired by Amazon go, smart grocery store application involves product placement, stock management, Wastage and automated order based on purchase trends.

Responsibility:

- Collaborated with the development team to identify business needs and translate to technical requirements

- Team leader for the testing and support team , consists of 5 units(5-man team for each unit)
- Worked/Contributed in entire software development lifecycle from coding, testing and implementation.
- Managed database entries, Systems Implementation and version control.

ACADEMIC PROJECTS:

Project 1: OCBC Credit Card Analytics

TimeLine: 6 months (Jan 2019- Jun 2019)

Environment: SAS EM, Tableau, Jupyter notebook, Rstudio

Language/Technology Used: Python, R

Description: Helped stakeholders to improve the Credit Cards business performance by answering analytics business questions to help the bank to gain insights from the data and recommend strategy to achieve the long term goals of business sustainability and customer loyalty.

Responsibility:

- To improve the card business performances
- To help the bank to gain some insights from the data
- To recommend strategy to achieve long term goals for business sustainability and customer loyalty
- To understand customer spending pattern
- To understand customer profiles
- To work closely with merchants for products promotion
- Any new products to launch to capture the market size

Project 2: Social Analytics using Yelp dataset

TimeLine: 5 months (Mar 2019- Aug 2019)

Environment: Jupyter notebook, Spyder, Studio, Dash.

Language/Technology Used: python, R

Description: Web app to Help visitors to see the real situation of the restaurants based on not only the pagerank, but also the sentiment score of the restaurants. For business: Give a

sentiment analysis based on the reviews to help them know what's the customer want and provide a dashboard for them to check the network of the restaurants.

Responsibility:

- Data preparation and cleaning
- Network Analysis using PageRank
- Sentiment Analysis from Reviews
- Created dashboard using Dash to view the results

Project 3: VAST Challenge 2019

TimeLine: 4 months (May 2019- Sep 2019)

Environment: Tableau, Tableau prep, JMP pro, Rstudio , PowerBI, Qlik Sense

Language/Technology Used: R

Description: The VAST challenge is an annual competition in Visual Analytics conducted by the Visual Analytics community, with the committee of judges hailing from University of Amherst, Massachusetts, the US Air Force Defense National Laboratory, etc. Datasets are released pertaining to specific scenarios which are termed as mini-challenges (MCs).

Responsibility:

- Prepare Dataset and extract insights
- Create a tableau dashboard to view the results

Project 4: My Travel Book(Android Application)
TimeLine: 3 months (May 2017 – Aug 2017)

Language/Technology Used: JAVA, JSON,WCF, SQL

Description: App that captures images of your travel destination and shares the location with friends

Project 5: Campus Library Web Portal
TimeLine: 3 months (May 2017 – Aug 2017)

Language/Technology Used: JAVA, Bootstrap, JAVASCRIPT,AJAX,SQL

Description: website to lend books and check for availability, request for new books, apply for membership and lend to another member of the library.

Project 6: Leave Application Management System
TimeLine: 3 months (Feb 2017- May 2017)

Language/Technology Used: Python, Mongo dB

Description: Web application for Leave Application and management

Project 7: Office utilities Maintenances and Stock management System
TimeLine: 2 months (Feb 2017 - Apr 2017)

Language/Technology Used: C#, Java, HTML,AJAX, MySQL, WCF, JSON, Android , Bootstrap

Description: Management of delivery and request of office utilities including Authorised access, notifications, requisitions, automated stock card, Trend Analysis report generation, user role management.

Project 8: Rover Bot
TimeLine: 4 months (Jan 2016 - May 2016)

Language/Technology Used: C++, Microcontrollers

Description: Build a rover bot and code the microcontrollers to handle the bot movements using sensors and motors.

Project 8: Healthcare system

TimeLine: 2 months (Feb 2016 - Apr 2016)

Language/Technology Used: C++, Arduino Uno

Description: Build a portable healthcare module to analyse vitals from the user and alert if continuous abnormal readings is observed. Code the microcontrollers to handle the sensors and send messages to the emergency number when abnormality is observed.

Salary and Notice:

Current Salary: SGD 4860

Bonus: Half Yearly Performance Bonus and AWS

Notice: 1 Month

Expected salary: SGD 5700