# Kiran Ramasamy

Canada

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Microsoft Certified Data Analyst/ Scientist with 2+ years of experience who takes pride in building data models that translates data points into business insights. Eagerly waiting for opportunities to apply my knowledge to real world problems. I am a keen and quick learner with ability to deliver in complex situations and strong verbal and written communication skills.

## Data Analyst/Tata Consultancy Services Ltd, Chennai, India
AUGUST 2017 – DECEMBER 2018

### Project Description:
Provide onboarding activity to new or existing accounts in the bank that provide service to different regions in Australia. Onboarding activities include Data Cleansing, Data Analysis, Loading, Validation and Testing during the Service Transition phase.

### Roles, Responsibilities:

- Scripted, tuned the performance of **SQL queries** for BMC Remedy application using Oracle SQL developer thus improving the efficiency of search results by reducing querying time by 40%.
- Optimized the process of viewing **KPI reports** that enhance overall performance by 20% with the creation of real-time dashboards using Microsoft Power BI. Designed dashboards with Measures, calculated columns, Time Intelligence using **Power Query language or M**.
- Experienced in all phases of Power BI lifecycle which includes **Data Acquisition, light Data transformation, Cleansing, Modelling, Visualizing, and Reporting.** Connected Power BI with database and created **dataflows** which eliminated the duplication of data retrieval process.
- Implemented **DAX** and created datasets with **row level security** so that the data access is restricted to given users.
- Improved customer satisfaction by more than 80% in a year by analyzing the data in **ServiceNow.**
- Applied ITIL process to all services to improve productivity and increase the quality of service.
- Performed complex data analysis, supported both internal operational needs and ad hoc client requests.
- Managed the development and enhancement of reporting solutions using **SDLC & Agile development methodologies.**
- Have very good knowledge of all three **Cloud (Azure, AWS, Google Cloud)** and can quickly adopt to any cloud ecosystem based on demand.

## Assistant System Engineer- Trainee/Tata Consultancy Services Ltd, Chennai, India
JANUARY 2017 – JULY 2018

### Description:
During the training period, I learnt and got hands on experience in technologies like • C++ • SQL • UNIX • Power BI • R • Python. Developed projects using those technologies and got appreciation for the quality of work delivered as well as for completing the project on time.

### Roles, Responsibilities:

- Gained experience in writing well-designed and testable code in **Python, R, SQL.**
- Worked with Python packages - **NumPy, Pandas, SciPy, Matplotlib, Scikit-Learn** to compute and visualize data.
- Conducted **Market Basket Analysis on Online Retail Data set** to determine customer's interest towards the products in the retail store which helps in increasing the sales of the business. **Weka, R studio, and Power BI** were used to complete the project.

- Programmed in Python a **content-based movie recommender engine** in Jupyter notebook with the help of the movie dataset retrieved from Kaggle.
- Wrote a Python program in Jupyter notebook for **extracting speech from a video recorded file** using MoviePy and Google Speech Recognition libraries.
- Developed a **Cruise booking application program** by connecting the C++ code with SQL. Also, lead the team in database design and populated the test data.
- Gained hands-on experience in Power BI Desktop, Power BI Service, and Power BI Mobile App.
- Created Dashboards/Reports using visualizations like a bar chart, pie chart, Maps, KPI, Gauge, Slicer, Table, Matrix and published to workspaces.

# Skills

- R • Python • SQL • MySQL
- Java • JavaScript • C • C++
- Unix Shell Scripting
- AWS • Azure

- MS Power BI  • Jupyter Notebook
- Excel • RStudio • PyCharm • Git
- JIRA • ServiceNow • Confluence
- Oracle SQL Developer

- Data Preparation • Data Analysis
- Data Visualization • Data Modelling • Machine Learning
- ETL • MS office suite

# Education

JANUARY 2019-AUGUST 2020

Master of Engineering, Electrical and Computer Engineering /Carleton University, Canada

MAY 2013-MAY 2017

Bachelor of Technology, Information Technology /Anna University, India

# Certification/Achievements

- **Data Analyst Associate by Microsoft**- October 2020
  Learnt how data is prepared, modeled, visualized, and analyzed using Power BI desktop and Power BI service.
- **Azure Data Fundamentals by Microsoft**- October 2020
  Learnt the core data concepts, how to work with relational and non-relational data on Azure.
- **Python for Data Science by IBM**- May 2020
  Learnt how Python language is used for analyzing data using Python libraries like Pandas, NumPy, SciPy, Seaborn and invoking APIs and Web Services.
- Completed **Java course in Oneyes Technologies**- December 2015
  Learnt Object oriented design, how to program with graphical user interfaces, and how to design programs capable of managing large amounts of data. Obtained experience in Java development environment-Eclipse.
- Done In-Plant Training in **Web Development in Codebind Technologies**-January-2015
  Learnt to add interactivity to web pages with JavaScript, Basics of CSS, use DOM to modify pages, apply responsive design to enable the page to be viewed by multiple devices.
- **Earned 5- star rating for Python and SQL in Hackerrank**.
- AWS and GCP certifications are InProgress.
- My paper **"Voice and speech recognition in Tamil Language"** has been published in IEEE digital Xplore'17
  The main aim of this paper was to create a voice and speech recognition system that recognizes voice and captures the speech data in Tamil, then stores and converts the captured speech as text in Tamil language itself.