KAMALA KRISHNAN

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EDUCATION

Bachelor of Engineering in Computer Science and Engineering **Aug 2015 - May 2019**
Rajalakshmi Engineering College, Chennai, India

SOFTWARE SKILL SET

Programming and Scripting Skills C, C++, Python, SQL, HTML, CSS, JavaScript
Application/Tools Pega v7.x, Pega v8.x, PyTorch
Operating Systems Windows, Linux

WORK EXPERIENCE

System Software Associate Programmer - *TTEC Digital Company* | *Chennai, India* **May 2020 - Present**
Client: *UnitedHealth Group*

- Worked on PHYCON – An application built for UnitedHealth Group which offers health care and insurance services.
- Performed root cause analysis and fixed issues occurred during application migration.
- Worked on 500+ SQL rules which was impacted during the application migration from ORACLE to PostGreSQL.
- Maintained the quality of code by removing severe warnings bringing the overall design compliance score to 95.
- Wrote design documents and functional specifications for all the features I have developed and delivered.

Client: *TTEC*

- Developed a Covid Vaccination Application for TTEC which keeps track of Contact, Dosage information, Symptoms and Post Vaccination documentation process.
- Developed a Web ChatBot for an order & delivery service by integrating Google DialogFlow CS with Pega.

Software Development Intern - *TTEC Digital Company* | *Chennai, India* **Jan 2020 - Apr 2020**
Client: *Munich RE*

- Worked in the development of both Canada and the US application; A reinsurance application which provides risk solutions.
- Worked on multiple user stories and debugged several issues and maintained the quality of code.
- Worked closely with Business analysts and Project managers from the onsite team to understand and gather the business requirements.

Data Analyst – *Sri Murugan Enterprises* | *Chennai, India* **Jun 2019 - Dec 2020**

- Provide quality assurance of imported data, commissioning and decommissioning of data sets.
- Processing confidential data and information according to guidelines. Helped in developing reports and analysis.
- Generated reports from multiple systems. Evaluating changes and updates to source production systems.

PROJECTS

ChatBot in Python Using NLTK **Jun 2021**

Creating a basic chatbot using Python in Jupyter Notebook. This chatbot interacts with the user using the hardcoded inputs and outputs which are fed into the Python code.

Visualizing Covid Using R Programming **Jan 2021**

This Project deals with the data pulled from the Johns Hopkins University Center for Systems Science and Engineering publicly available data repository with which COVID-19 data from the first several weeks of the outbreak was visualized to see at what point this virus became a global pandemic.

Care – Android NGO Application Providing Volunteering Services to the Elderly **Mar 2019**

'CARE' - the application provides an effective solution to these problems. It is an easy-to-use application that helps the NGOs to achieve their mission and help the compassionate people rendering service to the society. This project makes use of 3 different software's: Android Eclipse, NetBeans, MySQL Database and SQLyog.

CERTIFICATIONS

- SQL for Data Science – UC Davis
- Introduction to Data Analytics for Business – University of Colorado Boulder
- Customer Analytics – Wharton UPenn
- Introduction to Python Programming – Kaggle
- Data Analysis Using Excel – Rice University
- Certified System Architect, Pega v7.2
- Certified Senior System Architect, Pega v7.4

RESEARCH PUBLICATIONS

- IOT-ENABLED INFRASTRUCTURE PRIVACY PRESERVATION IN BIG DATA

***European Journal of Molecular & Clinical Medicine*, *2021,* Volume 8, Issue 2, Pages 724-731**

This work aims to enhance the security and privacy of IoT communications among big data through the implementation of server privacy and the development of unique signatures using device attributes.

- ENHANCING CLOUD SECURITY THROUGH EFFICIENT FRAGMENT BASED ENCRYPTION

International Journal of Pure and Applied Mathematics, Volume 118, No 18, 2425-2436, Special issue, 2018

This paper, targets to handle issues that the user encounters when using cloud computing services. The first one is about hacking threat on the cloud whereas other one is the infeasibility of encrypting entire data without considering its confidentiality degree.