

PROFESSIONAL EXPERIENCE

TCS BaNCS: SOCGEN (Societe Generale)

October 2017-December 2020

Assistant System Engineer (3.4 years' experience)

- Used **Java** to develop the backend for banking domain (TCS BanCS).
- Environment management done using **Unix**, Application Build **deployment**, Expertise in working in offshore and onsite teams and providing on time deliverable.
- Generated UI reports using **HTML5**, **CSS3**, **JavaScript** to display the statement records of the end user.
- **Bootstrap** is used with **CSS** to create mobile friendly and browser compatible responsive site.
- Used **Java** to make changes in backend and developed customer reports which is used to get data from **MySQL** DB queries.
- Training in **Agile** environment, knowledge transfer of project details and used tools like **Git** to check in envt. related issues.
- Creation of new environment from the scratch, creation of **DB** using WebLogic **Oracle** (ora12c) to create and connect with the database.
- Worked with Product Owners and Architects to get requirements for TCS Reports applications, design and development of applications in **Agile** team.

NIIT Technologies (Android Application)

October 2015 -December 2015

Intern - Application Development

- Demonstrated the workings of QR code by using **Java** for backend and the QR scanner to be utilized in calling, messaging, email and payment options, enabled the scanner to be scanned using a smartphone, capable of encoding numeric, alphabets, special and binary data.
- All the development is done using **Android Studio** to build native mobile application. The testing is done using the emulator and try to scan different QR codes to provide the data present in the QR scanner.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, R , Shell Scripting

Web Technologies: HTML5, CSS, JavaScript, JDBC, AngularJS, Bootstrap, ReactJS, Spring

Database Experience: MySQL, OracleDB, MongoDB

Operating System: LINUX/UNIX, MacOS, Windows

Cloud: Microsoft Azure, Amazon Web Service (AWS)

Reports: Jasper Reports.

IDE: Eclipse, Jupyter Notebook, R - Studio, Visual Studio, Google Colab, IntelliJ IDEA, PyCharm, WebStorm

Tools: Git Repository, Android Studio, Sonar scan, Fortify scan, Adobe Photoshop, MS Office, MacBook Xcode, ESCROW deposit

PROJECTS

Kaggle: Tabular Playground Series Competition

- Worked on titanic dataset in **Python** to predict the survival accuracy of the passengers and achieved an accuracy of 79% and scored under top 550 in leaderboard.
- <https://www.kaggle.com/c/tabular-playground-series-apr-2021/leaderboard>.

Web Crawling using R

- Built an **R** program to crawl the data from the website (like getting abstract, authors, data) using **XpathApply** and string functions to export the data in an excel file.

Apriori Algorithm without using in-built Library Functions

- Implemented a recommendation system for an online shopping website using Apriori algorithm in **Python**
- https://github.com/Rajesh007x/Data_Mining_Apriori

Convolutional Neural Network (CNN)

- Implemented back propagation algorithm and stochastic gradient descent for single hidden layer network and a simple convolutional network to classify the images on the dataset and achieved an accuracy of 90%.
- https://github.com/Rajesh007x/CNN_DataMining

Android Application Swachh Bharat

- Capacitated the app to locate the user mobile location through GPS used **Java** as the back-end and **Android Studio** tool to work and design the application, post a complaint or an issue related to cleanliness, the user can attach a picture taken in that locality so that the government can resolve the cleanliness issue at the earliest.

EDUCATION

New Jersey Institute of Technology

Master of Computer Science

Anna University

Bachelor of Computer Science

January 2021 - December 2022

CGPA - 3.6/4

May 2013- July 2017

CGPA - 7 /10

CERTIFICATIONS

- Completed Online Certified course on "Machine Learning" conducted by Google from Coursera
- Completed Online Certification Course on "Modern Application Development" held by NPTEL at IIT Madras, received the Elite Medal

AWARDS AND RECOGNITION

- TCS Fresco play miles (Learning award)
- On the spot award in TCS project (Award of Excellence)