RAYON SUSAN KOSHY

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OBJECTIVE

To obtain employment within a company that offers a positive atmosphere to learn and implement new skills and technologies for the betterment of the organization, while working in a team that operates towards excellence and accomplishes organizational goals.

EDUCATION

Mary Rani Public School & Junior College, Changanachery, Kerala, India
Senior Secondary School Examination, May 2013; Percentage: 85.40%
Amal Jyothi College of Engineering, Kottayam, Kerala, India
Bachelor of Science, May 2017
Electronics & Communication; Percentage: 73.88%

COMPUTER SKILLS

Languages: R, C#, Swift, Python, CSS, SCSS, C++, HTML, Angular 6 and Handlebar js
Tools & Frameworks: R Studio, Jupyter Notebook, Anaconda, MS office, VS, Node JS, Xcode, .Net & Notepad++
DBMS: MSSQL Server 2008
Libraries: Arules, ArulesViz, Tidyverse, Readr, Caret, Corrplot, Ggcorrplot, Xgboost, Ranger, Tidyverse, Lubridate, Pandas, Numpy, Matplotlib, Seaborn, Pandas_profiling, Sklearn, Statsmodels, Feature_engine, Lime, Treeinterpreter
GitHub URL: https://github.com/rayonsk?tab=repositories

GITHUB PROJECTS

- Credit Limit Using Data Science: Understand the pattern of the customers & build a predictive model to find the credit limit of the customers using python.
- Customer survey using R: Understand which brand of electronics is preferred by the customers. Build a model to predict the brand preferred by the customers based on the customer features using R.
- Predict Car speed using R: Predict the speed of the car using the distance.
- Business-Market-Analysis: understand the relation between the items and find the interesting patterns or item relationships within the transaction data set if any. Apply the Apriori algorithm to find association rules.

EXPERIENCE

Cognizant, Wilton, CT, US   September 2019 - present
(Sr Systems Engineer) Bridgewater Associates

- Provide technical support to manage the data of the Trading, Research, Account Management wing.
- Gather & preprocess data from cube browser, Bloomberg & other official webpages
- Performed a major role in onboarding and managing of projects within the team. This involves arranging meeting, prepare documentation of the work, doing test runs & training the fellow colleagues.
- Prepare and manage the documentations including the confluence pages
- Perform data analysis using SQL queries

Tata Consultancy and Service, Kochi, Kerala, India   October 2018-December 2018
(UI Developer) Sembcorp Industries under Cloud Domain

- Application was developed in Visual Studio and the platform used was Node.js. Project management methodology followed Waterfall model.
- Languages used in the application include Angular 6, CSS and HTML.
- Developed Header and footer, imported them in individual pages.
- The project was developed especially for desktop application and the roles for the logged in user change. Enabled authorization & authentication of the webpage.
- Breadcrumb integrated in each page. Development of left navigation bar, top tab navigation and functionalities of individual page as per customer request.
- Interacted with the customers directly, discussed the requirements and came up with the project development strategy.
- Participated in the design analysis and development of different modules of the application.
- Experience with Configuration Management (Git). Played a major role in the project integration, version releases and deployment. Maintained the uniformity by utilizing materialized angular.
- Provided user requirements analysis, design and programming support.

Tata Consultancy and Service, Kochi, Kerala, India   February 2018-September 2018
(UI Developer) Marks-and-Spencer under Retail Domain

- Worked in the FESK architecture, to develop UI which is quick and more user friendly. Also worked in Agile environment.
- Direct interaction with the customers to know the requirements and to come up with the project development plan
- Converted Header from FEAR to FESK architecture & was made responsive and stable in 3 different architectures: FEAR, NON-FEAR & FESK.
- Converted the project into responsive for all devices including mobile.
- Redesigned and implement the new header and footer with navigation & search, filter, side navigation bar(only for mobile) and logo which is also the link to home page.

- Languages include: ECMAScript6, SCSS & Handlebar js. The tool used is Visual Studio and Node.js is the platform.
- Involved in the requirement analysis, UI design & development of Search, Navigation, Filter & Sort features of eCommerce application. Created a report analysis on the comparison of two API architecture.
- Familiar with Github. Played a major role in the project integration, version releases and deployment.
- Familiar in using JIRA board.

Tata Consultancy and Service, Ahmedabad, Gujarat, India   September 2017-December 2017
(Software Development)

- Worked on the development of Bank website prototype using language C# in .NET framework and MVC architecture. Styled with Bootstrap.
- Designed a webpage which acts differently depending upon the category of user logged in. The functionalities and the activities that can be performed change depending upon the user category.
- The users were categorized as admin, cashier, customers and various other as per the customer request. Authorization and authentication were done.
- SQL queries were written and management of tables were done as per the activities of the page.
- Developed customized page with header, footer, top Navigation bar and body with customer requested functionalities.
- Database used for the application is DBMS: MSSQL Server 2008.
- Application was developed in Visual Studio.

Research Engineering Trainee, Kottayam, Kerala, India
Portable Health Analyzer

- Lead to the innovative solution of the "Portable Health Analyzer" for detecting and locating a person whose health is in grave danger using raspberry pi as a minicomputer.
- The system is designed to do patient analysis at run times and upload information to the website created which can be accessed only by authorized users.
- Programming of the raspberry pi module was done using python language and the tool used was PyCharm.
- Portable Health Band which is similar to wrist band has the sensors which collect the required parameters and is send to the raspberry pi which is programmed to send the information to website created. The authorized users can also activate the camera connected to the raspberry pi using the website.