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Shruthi Tirupattur Ravichandran

EDUCATION

Chicago IL	University of Illinois at Chicago	Expected Dec 2018

- M.S in Management Information Systems

Chennai India	Sri Sairam Engineering college, Anna University	April 2015

- Bachelor of Engineering in Computer Science and Engineering

EXPERIENCE

Software Engineer	Tata Consultancy Services, India	May 2015-May 2017

- Implemented a 3-tier web application to trigger the batches and generate reports reducing the time to run and test batches by 75 % | HTML5, JavaScript, CSS, AngularJS, Java, Log4J, Maven, JSON, Spring, MYSQL
- Implemented report scheduling and email features in a web application reducing the manual efforts by 50%| Java, Spring, HTML, CSS, Restful API, Maven, MySQL, jQuery, JavaScript
- Performed Mobile wallets testing to identify the key areas requiring automation
- Developed bill generation feature and user interface functionalities for a DTH portal | Java, Maven, HTML, CSS, JavaScript, JSP servlets (MVC pattern), MYSQL
- Acted as a point of contact to gather client requirements | Requirement elicitation, Technical feasibility analysis
- Awarded the "On the Spot" for the above performance improvement

Project Intern, Front End Developer	Spora	Aug 2018-Dec 2018

- Implemented Single Sign On (SSO) login using React JS and Firebase Authentication
- Creating a dynamic website for the gospora.com replicating the features on the mobile applications |ReactJS, PHP
- Working on bug fixes/enhancements for the existing android application

ACADEMIC PROJECTS

- **Movie Hub App**
  Developed Movie Hub android application to display movie description, Images and videos from an open source database API using web services. |Android Studio, Java, SQLite
- **Count on App**
  Created an android game application for kids to count numbers from ascending order with relevant animations and sounds |Android Studio, Java
- **Web Application to produce statistical results on datasets**
  Created a Web application to perform Statistical computations (Regression, ANOVA Analysis) on the World dataset with relevant results displayed as plots along with the feature to upload SQL queries to perform CRUD operations on the data set |Java, JSF, HTML, CSS, SQL
- **Predicted earning manipulation by Indian firms using Machine Learning**
  Identified the manipulations done by the Indian firms using machine learning algorithms on the dataset and identified best-fit model (AdaBoosting) by comparing the accuracies and provided recommendations to use machine learning techniques instead of traditional benish model| C & R tree, RandomForest, Linear and Logistic Regression, Boosting & Bagging
- **Analysis on Chicago Divvy bikes**
  Analyzed and preprocessed the **Chicago divvy bike** data set and found patterns in rides based on the locations, distances traveled and days of the week| Tableau, SQL
- **Market segmentation and Analysis**
  Identified the best segmentation according to the demographics, brand loyalty, and purchasing power for the **CRISA** dataset and provided recommendations after normalizing and analyzing the data |K-Means

LANGUAGES AND TECHNOLOGIES

- **Languages**: Java, C++, R programming
- **Web Technologies**: AngularJS,ReactJS jQuery, JavaScript, HTML5, CSS, JSON, XML, JSP
- **Databases**: MySQL, Oracle, MS Access, SQL Server
- **Tools**: Tableau, SoapUI, MSOffice, Maven, Eclipse, Android Studio, Git