



Academic Projects

San Francisco Crime Classification

Aug - Dec 2016

- Performed data visualisation and data mining techniques on SF OpenData with the help of SFPD crime reporting system
- Classified crime category by using classification algorithms such as OneR, ZeroR, Naïve Bayes, Decision Table and J48 and choose the algorithm with the best prediction

Facility Mortality Rate Prediction

Aug - Dec 2015

- Performed data analysis on a dialysis facility dataset and built multiple, logistic and linear models
- Performed re-sampling methods such as training, validation set, LOOCV and 10 fold CV and carried out model selection techniques such as forward, backward, ridge and lasso
- Predicted mortality ratio using linear regression with a R^2 of 0.88, standard deviation of 0.007 and with a MSE of 0.138 and confirmed this using bootstrap approach

Interface & Interaction Design for a Kiosk

Oct - Dec 2015

- Performed user and task analysis on Record Store Kiosks to understand kiosk design and gathered requirements by creating user personas
- Designed Interactions and interfaces for the kiosk based on data analysis, graphic design principles and memory principles and created prototypes of the design
- Presented an 1 minute infographic of the improvised design

System Monitoring Application

Dec - May 2014

- Developed a simple yet elegant application that monitors the user activities in a system and reports if any unwanted activity is involved
- Designed and created the interface and work flow of the application
- The application was appreciated and used by Information Technology Department for online examination

Coursework

Graduate

Human Centered Computing
Data Analytics
Data Mining
Data Science
Data Warehousing &
Business Intelligence
Business Forecasting
& Economic Forecasting
Project Management

Undergraduate

Object Oriented Programming
Computer Architecture
Data Structures
Design & Analysis Of Algorithms
Principle Of Compiler Design
Operating Systems
Database Management Systems

Education

M.S. Information Systems

May 2018

University Of Texas Arlington

B.Tech Information Technology

May 2015

Sri Krishna College Of Engineering

Tamilnadu, India

CGPA :- 7.4 / 10.0

Skills

Design

User Experience

Interface & Interaction Design

Requirement Analysis / Usability Testing

Personas / Wireframe

Prototyping / MyBalsamiq / Invision

Design Thinking

Data Mining / Visualisation / Analysis

Technical

C, C++, Python

Excel, R, Weka, SAS

HTML, CSS, JavaScript, WordPress

MySQL, SAP

Extra Curricular Activities

IT Department Committee

Student Representative

2012 - 2015

IT Department Technical Festival

Program Head

2014

Interests

Human Centred Interaction

Design Thinking / User Experience Design

Data Mining / Analysis / Visualisation

Business Intelligence / Business Forecasting