HRITIK SONI

Course : B.E. (Hons.),Civil
Email : f2014480@pilani.bits-pilani.ac.in
Mobile : 8952865498
CGPA : 8.421

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
X	General	Tagore Public School, Ambabari, Jaipur	CBSE	9	2011
XII	Science	Jaipur School, Jaipur	CBSE	93	2013

ELECTIVES/TECHNICAL PROFICIENCY

Electives	Data Structures and Algorithms,Data Structures,Object Oriented Programming,Operating Systems,Linguistics,Numerical Analysis,Cinematic Adaptation,Print and Audio Visual Advertising
Technical Proficiency	Expert Level Python Knowledge - Also obtained a certification from MIT on its edX course on Python, Numerical Analysis Course using MATLAB and COMSOL

SUMMER INTERNSHIP/WORK EXPERIENCE

Jaipur Metro Rail Corp., Jaipur   **May 2016 - Jul 2016**

GUI based interface developed during summer internship 2016 at Jaipur Metro for keeping track of all station maintenance activities. This unique way of automated monitoring was developed and proposed which could significantly reduce manpower requirements

JDA Software Pvt. Ltd., Bangalore   **Jul 2017 - Dec 2017**

Alternative systems were proposed which could save manpower and time and hence translate to financial profit. The responsibilities given to me were - 1. To develop automated log analyzer 2. To develop a centralized server manager for JDA Servers 3. To develop an automated upgrade tool for JDA applications

PROJECTS

Comparison of Rotation Calculation Methods for Shallow Foundations   **Jul 2016 - Dec 2016**

A software module was developed after collecting the most popular ways of calculating rotations for shallow foundations and the purpose of the GUI based module was to instantly calculate rotations using all methods and hence compare their accuracies with the actual observation data.

Optimal Design of Shallow Foundations   **Jul 2016 - Dec 2016**

The project was meant to automate the process of design of shallow foundations minimizing cost required while satisfying bearing capacity and structural requirements.

Automated Log Analyzer   **Jul 2017 - Dec 2017**

This GUI Project was aimed to facilitate causes of incidents(errors) by preparing frequency histograms of various types of errors occurring during Oracle DB execution and mailing fresh frequency histograms at specified intervals.

JDA Server Manager   **Jul 2017 - Dec 2017**

This Project involved designing a web interface to manage JDA's servers and at the same time keep track of what servers belong to which customer.

Upgrade Manager   **Jul 2017 - Dec 2017**

This Project aims to automate the process of performing a database migration for a new version of JDA application and turns everything to a one-click migration.

Station Maintenance Monitoring System   **May 2016 - Jul 2016**

This Project was given by General Manager, Civil Dept., Jaipur Metro and mentored under Mr. Suyash, JEn. The task was to build a Station Maintenance Monitoring System which is basically a software that eliminated most paperwork and make users easily able to manage inspections performed and ability to enter new inspections without any hassle of pen-paper.

POSITION OF RESPONSIBILITY

Jaipur Metro Rail Corp.   **May 2016 - Jul 2016**

In charge of making the Station Maintenance Monitoring System

JDA Software Pvt. Ltd.   **Jul 2017 - Dec 2017**

In Charge of developing, deploying and maintaining the Upgrade Manager for JDA application

ACHIEVEMENTS AND AWARDS

MCN Scholarship for Academic Excellence	**2017**
MCN Scholarship for Academic Excellence	**2016**
MCN Scholarship for Academic Excellence	**2015**

EXTRA CURRICULAR ACTIVITIES

Participated in an event attempting to break Guinness World Record for maximum people solving Rubik's cube at one location