

**HRITIK SONI**

Course : B.E. (Hons.), Civil

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CGPA : 8.42

**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, Object Oriented Programming, Operating Systems, Numerical Analysis, Discrete Structures for Computer Science
Technical Proficiency	Certified Python, C++, Visual Studio, Git, Web-D (Django), SDL 2, SQL, Linux, Sockets, Testing, Shell, Java, Android, JavaScript, Matlab, Arduino

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 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**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. Technologies - Django-Python, HTML/CSS/JavaScript

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. Technologies - PL/SQL, Python, PyQt5

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

This GUI Project was aimed to facilitate finding causes of incidents(errors) inside Oracle logs at JDA Software Pvt. Ltd. Technologies - Python, PyQt5, PyChart

Intelligent Arduino Controlled Car - Robinitio**Jun 2016 - Jul 2016**

This Project modelled a small prototype of an intelligent collision avoiding system in cars using IR Sensor as obstacle detector. Technologies Used: Arduino, Relays

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

The project was to build a Station Maintenance Monitoring System for JMRC, Jaipur in the form of a software that eliminated most paperwork related to inspections with a user-friendly interface.

Shallow Foundations - Comparison of Rotation Calculation Methods and Optimal Design**Jul 2016 - Dec 2016**

A software module was developed using HTML/CSS/JavaScript that automates finding foundation rotations using several popular methods and uses the result to output design of rectangular footing from structural as well as economic view via iterative procedure

POSITION OF RESPONSIBILITY**Google Developers Group - BITS Pilani****Jul 2014 - Dec 2015**

Core member at GDG, BITS Pilani - Project leader. Project Name: Treasure Road.

Manu Assoc**Jul 2016 - Jul 2016**

Conducted Arduino Workshop as a 2-man team for Juniors

ACHIEVEMENTS AND AWARDS

Consistent MCN Scholarship for all Semesters

2014

Best Rank @ Hacker Rank - 900

2017

Labelled as Chess Prodigy in Local Newspaper

2006**EXTRA CURRICULAR ACTIVITIES**

Playing Chess, Rubik's Cube, Making/Modifying Games, Nirmann Visits, YouTube Video/Editing, Penetration Testing