

# SURAJ BHARAT THAWALI

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## **Career Objective:**

- To join a company that offers me a stable and positive atmosphere and inspires me to enhance and therefore to innovate the work culture for the betterment of all parties concerned.

## **Work experience:**

- Black & Veatch private limited, Pune – (14/05/2018 to till date) 2 Years

## **Designation:**

1. OSP fiber design engineer (May 2018 to March 2019)
2. Structural engineer (March 2019 to till date)

## **Description of role and responsibilities:**

- Preparing workprints on ARAMIS
- Handle fiber verification and mapping activities.
- Maintain records of fiber splicing and topography.
- Analysis and Design of Steel structures.
- Preparing STAAD/RISA Model for analysis.
- Making calculations about loads and stresses and preparing design calculation reports.
- Checking structural drawings.
- Seismic and Wind Analysis of structures.
- Spreadsheet preparation for design of structural elements using codes and standards.

## **Key Projects:**

### **AT&T Light Gig**

- Performed route analysis and develop aerial and underground fiber route maps.

### **Pole Load Analysis (PG&E)**

- Analysis of wooden poles using O-Calc & Google Earth software.

### **AT&T & Sprint Tower Mount Analysis**

- Scrubbing the data for Mounts and Tower analysis, Analysis of Tower Mounts using STAAD & RISA 3D and preparing structural analysis report.

**Academic Qualification:**

<b><u>Examination</u></b>	<b><u>College/School</u></b>	<b><u>Percentage</u></b>	<b><u>Year of Passing</u></b>
B.E.(Civil)	G.H. Raison College of Engineering and Management	7.96%(CGPA)	2017
Diploma in civil engineering	P.R. Pote College of Polytechnic &Technology	69.69%	2014
SSC	G.R. High School	72.80%	2010

**Certification:**

- Civil Design training program of civil engineering software's by CRB-TECH solutions pvt. ltd.
- Interior designing, computer aided design & drafting (1-year course from govt. engg. collage amt.)
- Advance surveying equipment's &tech. (workshop)

**Technical Skills:**

**Designing Skills: AutoCAD 2D&3 D & Isometric**

- 2D drafting
- 3D modeling

**STAAD-Pro**

- Structure analysis
- Design

**Revit Architecture:**

- Modeling of Civil Structures
- Exterior designing

**RISA 3D**

- Structure Analysis
- Design

**Interior designing**, computer aided design & drafting (1-year course from Govt. Engg. College.)

**Project:**

**Title:** Effect Various Additives on Swelling Characteristics of Black Cotton Soil"

**Description:**

- When the black cotton soil comes in the contact of water then excessive swelling is caused and the water content decreases shrinkage occurs in the soil
- The additives when mix in the B.C. soil decreases swelling and swell pressure.
- The identical results have been obtained by carrying out free swell index, liquid limit and plastic limit on the B.C. soil mix with these four additives like lime, fly ash, marble factory waste and quarry dust

### **Achievements and Extra-Curricular Activities**

- State Level Baseball & Hockey Player
- President of Civil Engineering Student Association
- Campus selection in money capital height research investment and advisory pvt. ltd, Indore

### **Personal Details:**

Date of Birth - 04<sup>th</sup> July 1995  
Father 's Name - Bharat Thawali  
Marital Status - Single  
Gender - Male  
Languages Known - English, Marathi, Hindi, German (Basic).  
Hobbies - Travelling and making new friends

### **Declaration:**

I hereby declare that information furnished above is true to the best of my knowledge.

Place: PUNE

SURAJ THAWALI