

# Ravi Sharma

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## EXPERIENCE

### SRM CCRT, Chennai — *Captain*

08/2018 - PRESENT

SRM CCRT (Concrete Canoe Racing Team) is a student-based research group that works on lightweight concrete canoe.

Designed a canoe model by downscale modeling preparation and analysis to float in water. Research on lower density materials and selection of suitable mix to make it lightweight.

### Varistor Solar Pvt. Ltd., Jaipur — *Intern*

06/2019 - 07/2019

Varistor Solar is a solar design and engineering consultancy, provides 3-D design, part file & analysis report.

Created CAD models, center line plan, part files, and sectional drawings of the structure. Performed dead, live, wind and seismic load analysis in STAAD.Pro.

### SRM ASCE, Chennai — *Coordinator*

08/2018 - 05/2019

SRM ASCE (American Society of Civil Engineers) is an association for civil engineering students. That conducts workshops, competitions, etc. for students.

Coordinated with organizing team in conducting Industrial Driven Contest, Green Drive Plantation Event, workshops on Midas Gen and Midas Civil.

### Hardayal Construction & Project LLP, Jaipur — *Intern*

12/2017 - 01/2018

The company gained immense expertise in offering road construction services.

Studied plans for each job to gain an understanding of materials, tools and work required. Get an idea about materials and requirements of pavement layers.

## EDUCATION

### B.Tech - Civil Engineering — SRM Institute of Science & Technology

07/2016 - ONGOING

Percentage: 72/100

### Senior Secondary Education — Sacred Heart CO-ED School

06/2014 - 05/2016

Percentage: 67/100

### Secondary Education — Shri Maheswari Sr. Sec. School

07/2012 - 05/2014

Percentage: 75/100

## SKILLS

AutoCAD | Revit  
SAP 2000 | STAAD.Pro  
SolidWorks | C ++  
Concrete Technology  
Adobe Photoshop  
Team Management

## LANGUAGES

English  
Hindi  
Rajasthani

## PROJECTS

### Smart Solar Pathways

To make cost-effective, Eco-friendly power-generating roads, which can replace the current roads. The designing of the project is done by concrete blocks, solar panels, and glass layers with some electric work for instructions.

### Analytical & Experimental Investigation of Basalt Fibre Reinforced Concrete Shot-Put Ball

To check the mechanical properties of high impact resistant materials used to fabricate the ball. The shot-put ball was fabricated using high-performance fiber reinforced concrete containing chopped basalt fibers.

### Prefabricated Ferrocement Toilet System

Twin pit leach toilet system is a low cost, efficient and long-term solution in rural areas when constructed properly and appropriately to local conditions. The casting of the twin pit toilet system is done by using fly-ash and chicken mesh as a reinforcement, which can be easy to carry from one place to another place.

## AWARDS

KPIT SPARKLE 2018, we have made it to the exclusive CENTURION Cohort (49th rank.)

Certificate of Organization, Workshop on Advanced Structure Design & Analysis by Midas.

Technothon 2016, certificate of participation by IIT Guwahati.