Salini Purkayastha

Third year Civil Engineering Student

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Vellore Institute of Technology, Vellore, India  [linkedin.com/in/salini-purkayastha-8159b4164](https://www.linkedin.com/in/salini-purkayastha-8159b4164/) 

Enthusiastic about ﬁnding simple, innovative and ergonomic solutions to common engineering problems

# EDUCATION

## Higher Secondary Education


### Delhi Public School, Guwahati

*2015 – 2017*

## B.Tech Civil Engineering

### Vellore Institute of Technology, Vellore

*2017 – Present*

# WORK EXPERIENCE

## Industrial Engineering Intern


### Larsen & Toubro

*91.2%*

*8.89*

# SKILLS

AutoCAD

Revit

Microsoft Excel

SAP2000

Maxsurf Stability

**ENGINEERING PROJECTS**

Design and construction of ﬂoatable concrete canoe (2019 – Present)

Worked on this project as part of Team Eklavya

Determination of Flexural Strength of Geo-polymer Concrete Performance of Concrete with Partial Replacement of Fine

*05/2019 – 06/2019*

*Mumbai, Maharashtra*

Aggregates using Plastic

*A major technology, engineering, construction, manufacturing and ﬁnancial services conglomerate, with global operations*

*Tasks*

Worked in Engineering, Construction and Contracts (ECC) Division under the Traﬃc Engineering Highway Department

Jobs including preparation of Road Furniture Sign Schedule and quantiﬁcation of Traﬃc Control Devices in live projects

## Industrial Trainee

### Teron Constructions Pvt. Ltd.

Heavy Metal Analysis of Sewage Wastewater in and around Vellore, Tamil Nadu

Develop measures for improvement of the performance of a section of an existing corridor in Vellore, Tamil Nadu

# ACHIEVEMENTS

Secured ﬁrst position in Concrete canoe Competition

*06/2018 – 07/2018*

*Real Estate / Builders / Contractors in Assam*

*Tasks*

*Guwahati, Assam*

*ASCE Indian Region Student Conference 2020*

Secured second position in Blue Sky Competition- Solutions

Project planning, Management and Execution at one of the construction projects named Uttarayan Ville

## Construction Head

### Team Eklavya- ASCE VIT Technical Division

to Smart Mobility in Smart Cities

*ASCE Indian Region Student Conference 2020*

Published a paper on “Performance of Activated Charcoal in Water Filters” in the journal “International Journal of Chemical, Biological and Environmental Engineering”

*12/2018 – Present*

*Vellore, Tamil Nadu*

Winners of a "Hack-A-Thon" event for the course "Advanced

*It is a team of young civil engineering students completely devoted to putting the precepts of civil engineering into lucrative practical applications and competing in the ASCE Concrete Canoe competition held in the USA*

*Tasks*

Hull design and structural analysis of the conoe

Bringing innovation to the construction process of the canoe

## Documentation Head

### TEDx VIT Vellore

Concrete Technology"

*Design and construction of an Overhead Water Tank*

# CERTIFICATES

Attended an Indo-US virtual conference on "Biomolecular Engineering" (03/2019)

Attended a conference on "Architectural Technology as an

*2019 – Present*

## President

### GGB: Good Girls and Boys (NGO)

*02/2018 – Present*

## Core Committee Member

*Vellore, Tamil Nadu*

*Vellore, Tamil Nadu*

academic discipline in India" held in VIT, Vellore (12/2018)

Attended an international conference on "Recent Trends in Construction Materials and Structures" held in VIT, Vellore (10/2019)

### American Society of Civil Engineers- VIT

*2018 – 2019 Vellore, Tamil Nadu*

## Team Member- Outgoing Global Volunteer

### AIESEC in VIT

*2018 – 2019 Vellore, Tamil Nadu*