


Trinadh Sairam Cheerla

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Gender: Male **Date of birth**: 7 Sep 1997 **Nationality**: Indian

ABOUT ME

As a dedicated student pursuing a Master's degree in Environmental Engineering at HTW University of Applied Sciences, Dresden, with a consistent overall grade of 2.1, I am eager to apply my academic knowledge and passion for sustainability to contribute meaningfully to the Environment.

EDUCATION AND TRAINING

[4 Oct 2022 – Current]

Master's in Environmental Engineering

HTW Dresden University of Applied Sciences <https://www.htw-dresden.de/>

City: Dresden | **Country**: Germany |

[19 Jul 2016 – 28 Jun 2019]

Bachelor of Technology in Civil Engineering

V R Siddhartha Engineering College, affiliated with JNTU Kakinada <https://www.vrsiddhartha.ac.in/>

City: Vijayawada | **Country**: India |

[6 Jun 2013 – 28 May 2016]

Diploma in Civil Engineering

JNGP polytechnic college, Ramanthapur, SBTET Telangana <https://g.co/kgs/4LWEVb6>

City: Hyderabad | **Country**: India |

WORK EXPERIENCE

[1 Jun 2024 – Current]

Research assistant

HTW Dresden university of applied sciences

City: Dresden | **Country**: Germany

I create virtually interactable objects using blender, a 3d modelling software. The objects are used to develop Virtual Reality Learning content for heating and Air conditioning technology. working 80 hours/month.

[4 Jul 2019 – 15 Aug 2022]

Civil engineer QC

BSCPL Infrastructure Limited

City: Nashik | **Country**: India

I worked as a Junior Engineer in Quality control department at BSCPL Infrastructure Limited in an Expressway construction Project (Nagpur-Mumbai New Greenfield Super Communication Expressway/Maharashtra Samruddhi Mahamarg) at Nashik, Maharashtra, India. My typical duties were Testing Materials and ensuring material quality according to specifications. Developed expertise in concrete mix designs. Proficient knowledge in execution of Structural concrete, prestressed concrete, Dry lean concrete (DLC), Pavement Quality Concrete (PQC).

PROJECTS

[Mar 2023 – Jun 2023]

Study conducted on extraction and separation dynamics of ferrous and non ferrous metals at WEV, Leipzig

The study aimed to assess the accuracy of the existing separation processes, propose improvements, evaluate the financial viability, and consider the ecological impact of the process at West Saxony Waste Disposal and Utilization Company MBH (WEV), Leipzig.

[Dec 2019 – Aug 2022]

Effect of Super Plasticizer's dosage variation on Workability and Strength of Structural Concrete and PQC

As part of my daily routine as Junior Engineer in Quality control laboratory, I used to participate and supervise various experiments on plastic and hardened concrete during my service at BSCPL Infrastructure Limited. One of those experimental project is "Effect of Super Plasticizer's dosage variation on Workability and Strength of Structural Concrete and PQC (Pavement quality concrete)".

[Nov 2018 – Apr 2019] **Dynamic Analysis and Design of a Residential structure (G+9) using STAAD Pro.**

In this project we have analyzed the G+9 building to determine the shear forces and bending moments. The structure is analysed and elements such as slabs, beams, columns and footings are designed. The structural details of the elements were determined using limit state method of design.

[Jun 2018 – Oct 2018] **Static Analysis and Design of a Residential G+2 structure by linear static analysis method.**

In this project the analysis of the structure was accomplished by using substitute frame method of analysis. The structural details of the elements were determined using limit state method of design. The structure is analysed and elements such as slabs, beams, columns, footings etc. are designed.

[Nov 2017 – Apr 2018] **A brief analysis on Causes, Preventive measures and Remedies of Cracks in buildings.**

In this project, we recognised various types of cracks on walls in residential buildings such as structural cracks and surface cracks. Conducted a research to identify various causes. Upon analysis we suggested preventive measures and remedies in our paper.

CREATIVE WORKS

Life Cycle Assessment of chicken pasta using openLCA

[23 Oct 2023 – 2 Feb 2024] **Engineering Project in association with "Engineers without Borders"**

INTERNSHIP

[9 Apr 2018 – 29 Apr 2018] **Apprenticeship in Roads and Buildings department, Government of Andhra Pradesh, India.**

Collaborated with the officials of state government for a summer internship during the construction of RoB (Road Over Bridge) project in Eluru, There I diligently verified whether the design details were accurately executed according to the drawings, by examining & surveying the entirety of the bridge.

[Nov 2015 – Apr 2016] **Industrial Training at Andhra Pradesh State Police Housing Corporation (HQ), Hyderabad, India**

I learned various stages of tender acceptance/rejection processes, technical document examination, financial analysis of contractor proposals, billing procedures, working estimates, and quantity estimation during the construction of various government projects.

CONFERENCES AND SEMINARS

[3 Jul 2024 – 5 Jul 2024] **Life Cycle Innovation Conference 2024** Berlin

In quest of insights from industry professionals, participated in LCIC2024, organized by FSLCI.

The 3-day conference was highly informative and engaging, providing valuable insights into innovation and automation in LCA, along with the latest advancements in sustainability. The main sessions, panel discussions, bar camps, interactive workshops, and networking opportunities with industry experts allowed me to gain extensive knowledge.

NETWORKS AND MEMBERSHIPS

Forum for Sustainability through Life Cycle Innovation (FSLCI) Berlin, Germany

FSLCI is a multi-stakeholder and membership-based community organization working with Life Cycle approaches to enhance the sustainability of economic activities. As a member, I have the opportunity to delve into the industry.

MANAGEMENT AND LEADERSHIP SKILLS

Corporate ESG and Sustainability

I learned to select an appropriate ESG framework tailored to a business's unique needs and engage in best practices for ESG reporting.