K V SUMITH

# M.Tech. | NIT Rourkela

Water Resources Engineering.

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 Bengaluru

# Education



# *2020 – 2022*

# M.Tech. in Water Resources Engineering

National Institute of Technology, Rourkela

# CGPA: 8.82/10

# *2015 - 2019*

# B.Tech. in Civil Engineering

Bangalore Institute of Technology, Bengaluru

# CGPA: 8.43/10

# *2013 – 2015*

Intermediate in Science

Sri Chaitanya Junior College

Percentage: 91%

# *2013*

# Matriculation, SSC

Sri Chaitanya High School

# CGPA: 7.8/10

#  Skills



### **TECHNICAL SKILLS:**

###  **Softwares known:**HEC-HMS,HEC-RAS,SWAT,

 SWMM,CES,,ArcGIS,QGIS,Basics of ANSYS Fluent and Autocad

 **General Programming:** Basics of C,MATLAB

###  **LANGUAGES:**

English, Hindi, Telugu,Kannada

###  **SOFT SKILLS:**

Focus,consistency,Patience,Goal Oriented,Hard Work,Leadership, Team Management, Time Management,Adaptability, Problem Solving Skills,

Communication Skills.

#  Work Experience

 **Design Engineer at Secon pvt ltd ,Bengaluru**

February-October 2023

I worked as a design engineer, and the Hec-ras model was utilized for Vishwamitri projects. Catchment area treatment measures were provided to Telangana reservoirs.I also participated in the ArcGis portion of the watershed delineation and preparation of GIS maps.

 **Assistant Professor at Aditya Engineering Colleges,Surampalem**

August-October 2022

Environmental engineering and geotechnical engineering were the courses I taught b-tech second and third year students.

 **Summer intern at RVR Constructions,Davangere**

 june-july 2018

 Supervision of road construction works

# Projects

# **Impact of climate change on groundwater levels by using GMS MODFLOWand comparing results with NARX Neural Network by using MATLAB.**August 2021-May2022

# In this study, we projected rainfall and temperature using statistically downscaled GCM models. Groundwater levels are projected using GMS MODFLOW and compared with NARX Neural Network results.

# **Determine the ultimate bearing capacity of soil and design suitable footing by using SPT method**

# Aug 2018-July 2019Standard Penetration Test (SPT) is performed in a borehole using a standard split spoon sampler, and soil test is performed in the lab to determine soil properties, and we estimated cohesion and angle of friction using IS code and empirical formula (shear strength parameters). Finally, we proposed the ultimate bearing capacity of soil.

# Achievements



*August 2019 After the internship ,successful placement in the RVR Construction(Davangere).*

# Certifications



*August 2022 Participated in a webinar on sustainable water resources management in the Himalayan Region.*

# Extra-Curricular Activities



*2021 - 22* **Coordinator,** Participated and in-charge on webinar series, Advances in Water Resources Engineering & Conducted seminar on RS and GIS in watershed management(2021) in Bhubaneswar to NABARD employees.