

DEEPTHSRI REDDY

Aspiring Software Engineer

CONTACT

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- [My github profile](#)

PROFILE SUMMARY

B.Tech Civil Engineering student with hands-on experience in Python, data analysis, and GIS tools. Skilled in applying programming to solve real-world problems. Looking to kickstart my career in software development or tech-focused roles.

EDUCATION

RGUKT-SRIKAKULAM

- Bachelor of Technology - 2022 To 2025
Civil Engineering With CGPA 7.8
- Pre University Course - 2019 To 2021
CGPA - 7.8

S.N.S.M.Z.P.P HIGH SCHOOL

- Xthclass -2018-2019
- CGPA - 10

SKILLS

- Programming Languages: Python, Java, DSA, SQL
- Data Analysis: Pandas, NumPy, Matplotlib
- Tools: MS Excel, AutoCAD, Google Earth Pro, Global Mapper.
- GIS & Mapping: Raster to Vector Conversion, Spatial Analysis.
- Adaptability to any situation.
- Good Communication Skills.
- Hardworking

HOBBIES

- Painting and Drawing
- Cooking
- Exploring and Learning New Technologies

WORK EXPERIENCE

Water Quality Data Analysis (Project)

Academic Project using Python (2024)

- Conducted an in-depth analysis of multi-year water quality data across multiple sampling sites.
- Processed and cleaned raw datasets using Pandas, handling missing values and multi-tiered column structures.
- Analyzed critical parameters such as pH, BOD, COD, and Alkalinity across seasonal (summer, flood, winter) conditions.
- Developed visualizations using Matplotlib and Seaborn to show:
 - Temporal changes over years
 - Correlation between parameters
 - Spatial distribution across different sites
- Applied trend analysis to identify pollution increases or improvements over time.
- Delivered meaningful insights to support environmental decision-making.
- Tools used: Python (PyCharm), Excel
- Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, PyCharm

GIS & Spatial Data Intern

GeocludLLP | Summer2024

- Gained hands-on experience in converting raster to vector data using AutoCAD, Google Earth Pro, and Global Mapper.
- Worked with spatial drone data to support mapping and infrastructure planning activities.
- Created and managed GIS layers, and improved map accuracy through precise vector editing.
- Adapted quickly to tools and workflows, frequently going beyond standard hours to meet deadlines.
- Improved problem-solving skills and confidence in handling real-world geospatial challenges.