

TRUPTI LOKHANDE

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Self-motivated and detail-oriented **geographic information systems student** with diverse work experience of 4+ years. Strong academic background in civil and environmental engineering. Proficient in using ArcGIS software, Python scripts and ability to quickly learn new skills.

EDUCATION

Expected Dec 2021

Master of Science in Geographic Information Systems, Eastern Michigan University, Ypsilanti, MI.
GPA – 4.0; Received an opportunity to work for campus seating capacity GIS planning to mitigate COVID-19 spread.

2017

Master of Engineering in Civil-Environmental Engineering, D Y Patil College of Engineering, Akurdi, India.
GPA – 4.0; Received University Award for achieving highest score in the course program.

2013

Bachelor of Technology in Civil Engineering, Walchand College of Engineering, An Autonomous College, Sangli, India.
GPA – 3.81

EXPERIENCE

2016 – 2018

Lecturer, Dr. D. Y. Patil Prathisthan, Akurdi, Pune, MH, India

- ♦ Incorporated interdisciplinary knowledge
- ♦ Guided academic projects
- ♦ Achieved 40% increase in student's grades
- ♦ Acted as parent-teacher coordinator
- ♦ Acted as Controller of Internal Examinations

2013 – 2015

Systems Engineer, Tata Consultancy Services Ltd, Pune, MH, India

- ♦ Resolved technical issues related to GIS applications via ticketing system
- ♦ Interacted with clients and vendors to ensure 100% resolution of issues
- ♦ Performed root cause analysis
- ♦ Managed and administered GIS services
- ♦ Facilitated team learning sessions as a part of knowledge transfer

SKILLS

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|--|--------------------------------|
| ♦ ArcGIS for Desktop | ♦ PostgreSQL (<i>Novice</i>) |
| ♦ ArcGIS Pro | ♦ Python |
| ♦ AutoCAD | ♦ R |
| ♦ Expert Choice for Analytical Hierarchy Process (<i>Novice</i>) | ♦ SPSS |

ACADEMIC PROJECTS

- ♦ Title: GIS Application for Classroom Layout Designing for Eastern Michigan University
 - Created a customized Python script tool for ArcGIS for Desktop and ArcGIS Pro
 - Performed digitization, georeferencing and various geoprocessing operations
 - Provided GIS maps to university administration team.
- ♦ Developed a custom GIS viewer windows application using MapWinGIS and VB.NET
- ♦ Created an interactive web map using HTML and OpenLayers
- ♦ Performed land-suitability analysis using ArcGIS Pro for landfill siting in southeast Michigan region, Michigan, US
- ♦ Title: Identification of suitable landfill site for Nagpur city using geographical information system and multiple criteria decision analysis
- ♦ Title: Designing of sewerage system for Walchand College of Engineering campus, Sangli, MH, India

PUBLISHED PAPERS

- ♦ Integration of GIS and AHP-ANP Modeling for Landfill Site Selection for Nagpur City, India, Recent Developments in Waste Management, vol. 57, pp. 499-510, Springer Publication 2020. https://doi.org/10.1007/978-981-15-0990-2_39
- ♦ Landfill site selection using GIS and MCDA methods: A review, International Journal of Research in Engineering, Science and Technologies, vol. 3, pp. 25-30. (2017)

COURSERA CERTIFIATION

- ♦ Python for Everybody Specialization
- ♦ Capstone: Retrieving, Processing, and Visualizing Data with Python (with Honors)
- ♦ Data Science Math Skills