

## CURRICULUM VITAE

### Personal Information

Name Praful Dodda  
Email [praful@live.unc.edu](mailto:praful@live.unc.edu)  
Website [Link](#)  
Date of Birth October 21, 1995

### Academics

Present Ph.D. Candidate  
Institute University of North Carolina at Chapel Hill  
Year Fall 2019 – Present

Master's Degree M. Tech., Environmental Engineering  
Year 2017-2019  
Institute National Institute of Technology, Warangal, India  
CGPA 8.39

Bachelor's Degree B. Tech., Civil Engineering  
Year 2013-17  
Institute Gayatri Vidya Parishad College of Engineering (Auto.),  
Visakhapatnam, India  
Percentage 73.85

### Technical Skills

Operating system Linux, Windows, Mac  
Programming Languages Python, R, MATLAB, C  
Software WRF, ArcGIS, QGIS, EPANET, SWMM, SAP

**Research Experience  
(Completed Projects)**

**M. Tech., Projects**

Date July 2018- April 2019

**Project-1 title** Inter-comparison of WRF-Chem simulated regional air quality with satellite retrievals- case study of Chandrapur city

Advisers Prof. M. Chandra Sekhar, Er. Rakesh Kadaverugu

Institute National Institute of Technology, Warangal, India

Date July 2018- September 2018

**Project-2 title** Mathematical modelling of planted floating bed water treatment system in Sakkardara lake-Nagpur

Adviser Er. Rakesh Kadaverugu

Collaboration with National Environmental Engineering Research Institute, Nagpur, India

**Summer Project**

Date May 2018-July 2018

**Project title** Clustering and regionalization of rain-gauge stations

Adviser Prof. V. V. Srinivas

Institute Indian Institute of Science (IISc), Bangalore, India

**B. Tech., Project**

Date December 2016 - April 2017

**Project title** Design and analysis of Green buildings

Adviser Prof. B. S. Sharma

Institute Gayatri Vidya Parishad College of Engineering (Auto.), Visakhapatnam, India

**Summer Project**

Date May 2016 – July 2016

**Project title** Construction of Pile foundations and their constraints at Andhra Pradesh Secretariat

Collaboration with Larsen and Toubro Construction Limited, AP

Institute Gayatri Vidya Parishad College of Engineering (Auto.), Visakhapatnam, India

**Research Interests**

- Air pollution control and modelling
- Climate – change studies
- Environment system modelling

**Academic Achievements and Activities**

- Selected as Software Developer by Tata Consultancy Services
- State second rank in National Mathematics Olympiad
- Recipient of FULL-FEE merit scholarship for B. Tech.,

**Extra – curricular Activities**

- Acted as Mess Representative (August 2017 – April 2018) for messes of NIT Warangal
- Elected as General Secretary of our student managed hostel during September 2015- April 2017
- Coordinator of VIDYADAAN (social welfare development program) organized by GVP College of Engineering
- Canvassing team chief of SATKAARYA (Cultural festival) conducted by GVP College of Engineering
- Elected as Student Representative for Association of Civil Engineers (ACE)
- Coordinator of IGBC (Indian Green Building Council) student chapter of Visakhapatnam (March 2016 - September 2016)

**Seminars/Talks**

- Applications of Fuzzy logics in Environmental Engineering  
Department of Civil Engineering, NIT-Warangal
- E- Waste management in urban areas of India  
Division of Environmental Engineering, NIT-Warangal
- Retardation of ions in contaminant transport through soils and role of effective diffusion coefficient  
Division of Environmental Engineering, NIT Warangal
- Shanghai tower foundation system  
Department of Civil Engineering, GVPCE, Visakhapatnam
- Rainwater harvesting implementation plan at GVP Boys hostel  
Department of Civil Engineering, Visakhapatnam