

SEEMA BARDHIPUR

Phone: (720)-999-0478

Email: REDDYSEEMA32@GMAIL.COM

<https://www.linkedin.com/in/seema-bardhipur-a56899b7>

SUMMARY

- Engineer in Training (EIT), Fundamentals of Engineering (FE) passed in Civil Engineering
- Recent graduate in Civil Engineering from Cleveland State University with a GPA of 3.95
- Worked as Research Assistant for 2 years at CSU in developing Storm Water Management Model (SWMM5) and Illustrated the role of Low Impact Development (LID) practices
- Associated with Infosys Limited, India for about 6 months as a System Analyst in analyzing design techniques to solve business problems using C, C++, JAVA
- Worked as Design Intern in Ramky Group of Companies, India in designing blueprint of building construction and surveyed using Total Station
- Presented “Modeling of LID at Catchment level” at 45th annual WMAO Conference and Symposium, Columbus, OH
- Ability to communicate to executive, operational, and technical audiences to drive synergy and successful outcomes

EDUCATION

Master of Science (Thesis) in Civil Engineering

Jan 2015 – May 2017

Cleveland State University, Cleveland, OH

Major: Water Resource Engineering

GPA: 3.95/4.0

Poster Presentations

“Quantifying the Effects of Permeable Pavement on Urban Hydrology”

May 2015

“Modeling the Effects of Green Infrastructure on Storm Water Reduction at Catchment Scale”

Jan 2016

“Modeling of LID on Direct Runoff Reduction using SWMM5”

Aug 2016

“Modeling of LID at Catchment Level at 45th Annual WMAO Conference, Columbus, OH”

Nov 2016

Bachelor of Technology in Civil Engineering

Aug 2010 – May 2014

Chaitanya Bharathi Institute of Technology, Osmania University, Hyderabad, India

GPA: 3.9/4.0

CERTIFICATION

“Fundamentals of Engineering – Civil Engineering” passed

Oct 2017

WORK EXPERIENCE

Graduate Research Assistant

Aug 2015 – May 2017

Cleveland State University, OH

- Designed Storm Water Management Model (SWMM5) to determine Low Impact Development (LID) practices such as Bio-retention, Rain Barrel at a catchment level
- Researched briefly on Surveying Pollutants and analyzed Water Resources
- Completed modeling procedures for residential street using SWMM5
- Successfully illustrated the role of LID practices in reducing runoff volume, and peak flow

Student Assistant

Jun 2015 – Aug 2015

Cleveland State University, OH

- Worked for English as Second Language (ESL) Department in handling academic matters
- Instructed and counselled students on college procedures and processes

- Handled and responded to students inquiries and process their admissions
- Maintained and managed student files in an organized manner

Teaching Assistant

Jan 2015 – May 2015

Cleveland State University, OH

- Taught both software and practical work for Bridge Designing Course
- Assisted professor with recordkeeping, such as tracking attendance , and calculating grades
- Organized course materials, purchase of supplies for coursework, Microsoft Excel

System Analyst

Aug 2014 – Nov 2014

Infosys Limited, Mysore, India

- Trained on programming languages such as C, C++, JAVA, HTML

Design Engineer Intern

Jan 2014 – July 2014

Ramky Group of Companies, Bangalore, India

- Designed a blueprint for building construction using AutoCAD
- Surveyed the working area using Total Station and implemented to the blueprint
- Worked on economic calculations to simplify the building cost

Constructional Safety Intern

Aug 2013 – Dec 2013

Ultratech Cement, Hyderabad, India

- Designed solution to water related issues for a region
- Surveyed the region and provided water management issues

TECHNICAL EXPERTISE

Softwares: SWMM5, HEC-HMS, HEC-RAS, EPANET, AutoCAD, ArcGIS, MATLAB

Programming Skills: C, C++, JAVA, HTML

Application Proficiency: Microsoft Office, Excel, PowerPoint, Word

PROJECTS

Storm Water Management Design (SWMM5, HEC-HMS, HEC-RAS)

- Modeled a watershed in SWMM5, HEC-HMS, HEC-RAS
- Calibrated and estimated the runoff quantity and quality

Watershed Management

- Mapped a college using surveying equipment Total Station
- Suggested Water management techniques were suggested at different locations in college

AUTOCAD

- Worked on 2D designs of buildings, columns, beams.
- Learned all tools associated with AUTOCAD.