

KAVYASHREE KANTHARAJ

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EDUCATION:

University of North Carolina at Charlotte, Charlotte, NC
Master of Science in Construction and Facilities Management
GPA: 3.66/4

December 2019

R.V. College of Engineering, Bangalore-India
Bachelor of Engineering in Civil Engineering
GPA: 3.7/4

July 2017

TECHNICAL SKILLS:

Application Software: AutoCAD, Primavera, Revit, MATLAB, Synchro 4D

Microsoft Office Suite: Excel, Word, Power Point

RELEVANT EXPERIENCE:

Soils Laboratory Technician-Internship

May 2019-August 2019

Company: Engineering Consultant services (ECS) Limited, Raleigh-North Carolina

- Performed Laboratory tests on construction materials such as concrete and different types of soil samples, interpreting the test data and preparing reports or summaries of test data under the direction of the laboratory manager.
- Conducted laboratory tests such as: Atterberg Limits in which the liquid and plastic limit of the soil is determined, Determining the compressive strength of the concrete of various curing age like 7, 28 and 56 days, Moisture content testing on various types of soil, visual classification and standard proctor test.
- Conducted and reviewing laboratory testing, compiling test results, data input, data processing, and other administrative work.

Graduate Teaching Assistantship at UNC Charlotte

January 2019-May 2019

- Assisting undergraduate students on the course structural analysis and MATLAB software.
- Grading and keeping track of report of every assignment and exams
- Clarifying the questionnaire raised by the students

Civil Engineer Intern

July 2017-March 2018

Company: PRN INFRATECH, India

- Served as a site Engineer for a 'Kunigal Industrial Road Project' held in Karnataka, India.
- Designed cross section of the Road using AutoCAD software
- Estimated the quantity of Cut and Fill required throughout the length of the Road.
- Developed the 'Billing of quantity' Report which involved the cost of quantities engaged in the project

ACADEMIC PROJECT:

Building Information Modeling (BIM) using Revit software

Jan 2019 - May 2019

- Designed a 3D view Model of the five-story apartment complex using REVIT software
- Developed Architectural, Structural template and implemented Mechanical Electrical and Plumbing (MEP) component to the model.

Project Scheduling and Control using Primavera(P6)

Sept 2018 - Nov 2018

- Prepared Baseline schedule which includes schedule chart organized by WBS, Activity details report like activity ID, Activity name, Start Date, Finish Date, Total Float and Total budgeted value.
- Using Primavera (P6) performed a Schedule Updating and schedule Modification

Evaluation of Road Safety and Security, R.V. College of Engineering

Jan 2017-May 2017

- Analysis of Road accident data and evaluation of risk involved in the accident at 'Silk Board Junction Highway (NH-7)
- Developed the method called 'Black spot evaluation technique' to come up with the preventive measures like design and control

Extensive Survey Project, R.V. College of Engineering

May 2016 - June 2016

- Re-alignment of Highway project with the help of the equipment Total Station, Theodolite, magnetic compass and many more equipment
- Designed New Tank project where a proposal of dam across the river was done using AutoCAD Drawings
- Developed AutoCAD drawings for sewerage project which involves efficient transportation of sewerage system

LEADERSHIP AND RESPONSIBILITY:

- **American Society of Civil Engineers (ASCE)**, as one of the board members I was actively engaged in organizing several social activities like solid waste management awareness drive in Bangalore (India).
- Event Head and Organizer of 'Concrete Fair 2016', A National Level Technical Fest on Concrete Technology held at RVCE. I was engaged in planning organizing and executing the events of fest.
- Took part in the workshop on ETABS at official Zonal Center RVCE organized by ARK Techno solution and robokart.com

PUBLICATION:

- Evaluating the factors contributing/affecting safety and security. Published in National conference on leveraging Intelligent Transportation System for Smart Cities (ITS-2017), R.V. College of Engineering, Bangalore.