

DHAVAL PATEL (EIT)

(216)-804-6777 | www.linkedin.com/in/dhaval-patel-b1849052 | dhavalpatel1789@gmail.com

EDUCATION

MASTERS OF SCIENCE IN CIVIL ENGINEERING | Cleveland State University, Cleveland, Ohio

GPA: 3.92/4

Aug 2015 - May 2017

BACHELOR OF CIVIL ENGINEERING | Gujarat Technological University, Gujarat, India

GPA: 3.69/4

Jul 2010 - Jul 2014

PROFESSIONAL EXPERIENCE

Project Engineer (Intern), Sai Constructions | Surat, Gujarat, India.

May 2012 – Jan 2013

- Reviewed submittals, RFIs, change orders, contract documents to assist project management
- Worked with subcontractors, project managers, and foremen to complete contract work and punch list items.
- Updated record drawings with proposal requests, information, and design engineer's supplemental instructions.
- Analyzed scope of work and performed contract negotiation with clients and subcontractors for budgeted work

Construction Site Supervisor, Peninsula Developers Pvt. Ltd | Surat, Gujarat, India.

Sep 2013 – May 2015

- Oversaw the daily construction activities at work site, including scheduling of workers, delivery of equipment and materials, and progress reporting.
- Attended and took minutes for the operation meetings to have an overview of the progress for each project.
- Coordinated and witnessed tests and inspections for materials and constructed elements. Ensure that the tests and inspections are performed according to the contract requirement and specifications.
- Prepared engineering related calculations and develop drawings and visual aids

Graduate Assistant | Cleveland State University, OHIO

August 2015 – May 2017

- Conducted office hours to mentor students understand and solve homework problems
- Prepared weekly quizzes, provided the solution online, graded quizzes and exams, kept record of their scores
- Collaborated with faculty on course material and grading policies, improving rubrics and evaluation criteria

SWMM-5: Hydraulic and Hydrology Modeling | Cleveland state university, Ohio

Aug 2016 – Dec 2016

- Bio-retention basin design and LID controls, street overflow control design
- Kinematic wave method for overland flow by using LINGO
- Vermillion farm market (OH) detention Basin design with existing and proposed conditions

ACADEMIC PROJECTS

Wastewater Treatment Plant Design | Cleveland State University

Apr 2016

- Designed Columbus city's Wastewater Plant Capacity as per future population and demand prediction
- Evaluate expansion of water treatment plant through various stages by comparing existing and proposed conditions

Design of Plate and Packed Tower (Separation Process) | Cleveland state University

Sep 2015

- Studied and designed packed and plate tower using MS Excel and MS Word for given different temperatures and pressures.
- Measured the effect of different materials styles and compare efficiency by providing constraints

Disaster management during natural calamities in low lying areas | GTU, GUJARAT

Jan 2014

- Explained the techniques and the steps which could be beneficial in reducing the damages and enabling safe evacuation of the low-lying areas of technological advancement and intimation.
- Developed and implemented engineering solutions to indicate allowable water level at a low-lying area.

SKILLS AND CERTIFICATIONS

Software: AutoCAD, AutoCAD Civil 3D, EPA-NET, SWMM-5, ArcGIS, Hydro-cad, HEC-HMS, HEC-RAS

Languages: English, Hindi, Gujarati

Fundamental of Engineering (FE - Civil Engineer)

Auto CAD (Udemy- 16.5 hours)