

ANURAG PENUMATSA

121 RANGER AVENUE APT-A, KINGSVILLE, TX 78363

C: 3468030408 | anuragpenumatsa@gmail.com

PROFESSIONAL SUMMARY

A passionate and goal oriented graduate from Texas A&M University -Kingsville with a master's degree in Civil engineering. Seeking for an opportunity to work in a challenging environment to prove my skills and utilize my knowledge. A Civil Engineer who skillfully manages the demands of the building construction and inspection process.

SKILLS

- Cost estimation
 - Excellent communication skills
 - 3D and 2D drafting
 - Quantitative measuring of materials
 - HCS+
 - Arc GIS mapping
 - Primavera 6
 - Material handling system techniques
 - MS office
 - Auto CAD
-

WORK HISTORY

RITHWIK PROJECTS LTD.

Site Engineer | Hyderabad, Telangana | July 2014 - November 2015

- Estimated quantities and cost of materials, equipment and labor to determine project feasibility.
- Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan projects.
- Facilitated construction by mapping out installations and establishing reference points, grades and elevations.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.
- Reviewed and assisted in performing technical bid analysis.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.

SRI SAI CONSTRUCTIONS

Civil Engineer | Visakhapatnam, Andhra Pradesh | May 2013 - July 2013

- Estimating the amount of building material quantities for a multi-storied building.
- Reviewed plans and specs during the schematic design of pre-construction.
- Coordinated utility service providers according to project schedules.

EDUCATION

BACHELOR OF SCIENCE - Civil Engineering (ABET accredited program)

VIT University

Vellore, TN, India | 2014

MASTER OF SCIENCE - Civil Engineering

Texas A&M University - Kingsville

Kingsville, TX | 2017

Coursework

- Construction Management
- Transportation engineering
- Highway pavement
- Advanced structural analysis

ACADAMIC PROJECTS

Traffic based noise pollution in Vellore and Katpadi region with Arc-GIS.

- 1) Collecting the amount of traffic in the intersections and minimum- maximum noise produced by the traffic.
- 2) Developing traffic flow and noise map using Arc-GIS software.

Curing of concrete blocks of different reinforcement and Mix ratio for 30,60 and 90 days.

- 1) Steel and Fiber are the reinforcements used to make the concrete blocks.
- 2) Mix ratio of cement, sand, fly ash and water are varied.
- 3) Strength of concrete blocks is tested using crushing test for 30,60 and 90 days.

Operational improvement at N Armstrong street & W Santagetrudis street (Kingsville, TX)

- 1) To address congestion issues at the intersection.
- 2) Performed data collection to measure saturation flow rate and signal timing at the intersection during peak hour.
- 3) Performed capacity analysis for existing conditions to calculate the Level of service.
- 4) Developed signal timing adjustments and geometry improvements using HCS+ and Synchro.

Survey and addressing of flood problem in north Texas region (1996-2016).

- 1) Obtaining the data of peak flow, the magnitude and frequency of floods near streams, flood maps in the respective counties by the previous flood events.
- 2) Projecting the data for the history of floods in north Texas and reviewing the flood problem.
- 3) Analysis of the floods for the north Texas region when compared to central Texas and south Texas.
- 4) Evaluating the flood characteristics and implement the measures to mitigate flood impacts for the future.