

# PAVAN SURYA KRISHNA MATTA

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## SUMMARY

A dedicated construction management master's candidate who is enthusiastic about influencing the built environment. Keen to contribute to projects and teams in the construction industry by introducing a combination of scholarly knowledge and the real-world.

## SKILLS

- AutoCAD, STAAD Pro
- Procore, Primavera, Bluebeam
- MS Project, MS Excel
- C, C++
- Python(Pandas, Matplotlib, NumPy, Scikit Learn)
- HTML, CSS
- ML

## EXPERIENCE

### NEW JERSEY INSTITUTE OF TECHNOLOGY

Newark, NJ

#### Research Assistant, Advisor: Dr. Jay N. Meegoda

- Engaged as a research assistant, led testing initiatives for glass/plastic composite materials following ASTM standards
- Proficiently accomplished lab work, creating sample specimens, and contributed to the project's foundation
- Conducted a comprehensive literature review, enhancing research depth
- Delivered effective presentations on test procedures and optimized apparatus setups, showcasing practical skills and a holistic approach to research.

### MP CONSTRUCTIONS

India

#### Civil Engineering Intern

- Methodically utilized Microsoft Project to develop comprehensive Work Breakdown Structures (WBS) and network diagrams, enhancing comprehension of development processes, budgets, and schedules
- Recognized for crafting diverse project management documentation, delivering detailed analyses to key leadership, and proposing cost-saving strategies for organization-wide projects
- Demonstrated precise upkeep of project status reports in a research-oriented initiative.

## EDUCATION

### MASTER'S IN CIVIL ENGINEERING

New Jersey Institute of Technology

GPA: 3.8/4.0

2023

### BACHELOR'S IN CIVIL ENGINEERING

V R Siddhartha engineering college, India

GPA: 3.30/4.0

2021

## AFFILIATIONS

ASCE (American society of civil engineers), 2019, 2021

## CERTIFICATIONS

- LEED Green Associate(USGBC Dec2023)
- Construction MGMT in Training (CMIT)-(CMAA Nov 2023)
- OSHA 30 (Nov 2023)
- Construction Management: Planning and scheduling, Project delivery Methods, Foundations (Nov 2023)
- Project Planning and Control (NPTEL 2019)
- AUTOCAD for Design and Drafting Exam Prep (Coursera 2020)
- Introduction to faecal sludge Management (June 2020)

## PROJECTS

- Research study on soil cement blocks, Performed a research assessing the performance of soil cement blocks incorporating foundry sand and natural fiber.
- Engaged in a project focused on the incorporation of Waste plastics in pavement courses.