

# Akhil Karale

New Jersey | [ak2778@njit.edu](mailto:ak2778@njit.edu) | +12019204271 | [www.linkedin.com/in/akhil-karale](http://www.linkedin.com/in/akhil-karale)

## EDUCATION

**New Jersey Institute Of Technology Newark, New Jersey**

(M.S in Civil Engineering (Construction Management) )

**G.V Acharya Institute Of Engineering & Technology - CGPA 6.5/10**

(Bachelors in Civil Engineering)

**Government Polytechnic Thane - Percentage (75%)**

(Diploma in Civil Engineering)

Graduation Date: May 2024

**G.P.A - 3.5/4**

(Aug 2017- Oct 2020)

[Certification](#)

(Sep 2014- June 2017)

[Certification](#)

**COURSES- 1 Construction Management 2 Construction Cost Estimate 3 Management Science 4 Project Planning & control**

**5 Underground Construction 6 Performance and Risk analysis.**

**G.T Buildcon And Developers - Building Construction firm (Senior Site Engineer)**

(Sep 2020 - Jan 2022)

(Maharashtra, India)

[Exp Letter](#)

- Analyzed survey reports, maps, blueprints, and other topographical and geological data to effectively plan infrastructure and construction projects, resulting in a 15% increase in project management efficiency.
- Partnered with architects and construction teams to create detailed visualizations of design and construction components, resulting in streamlined communication and enhanced project efficiency.
- Provided technical and professional engineering support services during the design, construction, and execution phases of projects, leading to a 25% increase in workplace satisfaction due to efficient problem-solving and timely delivery of project milestones.
- Innovatively assessed workload and revamped operational processes to achieve a remarkable 40% increase in productivity.
- Evaluated existing infrastructure and making recommendations that result in improved or modified infrastructure that meets current needs and standards.
- Received recognition from senior management for outstanding problem-solving skills, contributing to the individual's reputation as a go-to resource for resolving complex project challenges and ensuring successful project outcomes.
- Efficiently ordered materials required for projects while always keeping the budget in mind, resulting in a 5% increase in profits due to cost savings and reduced waste.

## PROJECT EXPERIENCE

**Solid Waste Management - Treatment by a Biogas plant**

(Sep 2019 - Mar 2020)

(G.V Acharya Institute of Engineering)

[Project files](#)

- Worked on aspects of solid waste management mainly of the Biogas Energy Plant which was located at Matheran, an eco-sensitive zone and installed by the government of India, clearly understood the Science of how biogas (Methane) is produced, studied the entire process and concluded the project with desired outcome.
- Successfully carried out the project with a team of 4 members, worked on field collecting data of amount of waste generated on daily outcome, type of compound to used for the process by analyzing the type of waste as well as its components, cost to produce and with that organized a team meeting to communicate and to make any considerations as well as changes in project.
- Conducted research and analyzed data related to waste production and management in the region, compiling a detailed report of more than 50 pages with findings and recommendations
- Collaborated closely with Professor Yashwant D throughout the project, providing critical support that helped the team achieve excellent results and completed the project within 8 months.

## Teaching Assistant

(Sep 2022-Present)

New Jersey Institute of Technology (Newark, New Jersey)

- Demonstrated proficiency in conducting laboratory experiments utilizing standard techniques and equipment.
- Assists in the design of laboratory experiments, techniques, and protocols with the Director of Laboratory
- Monitor progress of research projects and coordinate information between departmental sections.
- Assists in administering written tests, performance tests

**G.T Buildcon And Developer - Building Construction firm (Junior Engineer)**

( May 2017 - Aug 2017)

(Maharashtra, India)

[Exp letter](#)

- Assisted in the preparation and review of design plans and specifications for construction projects, ensuring compliance with industry standards and project requirements.
- Maintained a high level of efficiency during training by taking notes and asking questions.
- Resolved issues with construction with knowledge of principles and real-world operations.
- Studied corrections from senior engineers to learn and grow professionally.

## LEADERSHIP EXPERIENCE

**Associate Of Civil Engineering Students Shelu Maharashtra**

- Successfully organized and executed a highly engaging and interactive Bridge Building competition at the university level, resulting in increased participation and collaboration among students, faculty, and other members of the university community presenting excellent skills of teamwork, time management, and problem solving.
- Organized and executed a highly successful Bridge Building competition at the university level, resulting in increased engagement and collaboration among students, faculty, and other members of the university community.
- Represented the university at the state level for multiple competitions and successfully collaborated with team members to secure second place in the final rankings.

## SKILLS & INTERESTS

**Skills :** Microsoft Office (Excel, Word, PowerPoint) Technical, Communication, Problem-solving, Leadership, Time management skills

**Certification :** Construction Management : Reading Civil Construction Drawings. [Certificate](#)

**Certification :** Construction Management : Construction Change Orders. [Certificate](#)

**Certification :** Construction Management : Safety and Health [Certificate](#)

**Certification :** Oxford Study Center : Construction Management Course. [Certificate](#)

**Certification :** AutoDesk AutoCad Civil 3D [Certification](#)

**Certification :** AutoDesk AutoCad Certified User [Certificate](#)

