

ATHARVA SAWALKAR

GRADUATE CIVIL ENGINEER | SRTM UNIVERSITY | SGGSI&T NANDED



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Mumbai, India

SKILLS

SOFTWARES

- **Microsoft Excel** Utilized for data analysis, creating complex spreadsheets, and performing engineering calculations.
- **AutoCAD** Used to draft precise 2D and 3D engineering drawings, including detailed plans, sections, and elevations.
- **STAAD.Pro** Applied for structural analysis and design of buildings, ensuring compliance with relevant codes and standards.
- **ETABS** Analysis and design of multi-story structures.
- Comprehensive understanding of **Microsoft Office**

TECHNICAL

- **Breaking down complex problems** through applying **fundamental engineering principles**
- **Prioritizing tasks** to meet project deadlines
- **Effectively communicating** with people of engineering and non-engineering backgrounds

PROJECTS

REDUCING CARBON EMISSION IN SCHOOL USING SOLAR ENERGY

- Implemented solar energy solutions to reduce school carbon emissions.

ARTIFICIAL INTELLIGENCE IN CIVIL ENGINEERING

EDUCATION

SGGSIE&T Nanded

Bachelor of Technology (Civil)

Jan 2020 - May 2024

- (CGPA = 8.0)

EXPERIENCE

TIDE-India | Project Executive | Mumbai, Maharashtra

June 2024 - Present

- Managed and coordinated hard intervention activities for **TIDE Model school program in Mumbai**.
- Designed school-specific intervention packages to reduce **carbon footprint**.
- Conducted **baseline** and **endline** assessments to evaluate project impact.
- Provided operation and maintenance training for sustainability of interventions
- Oversaw planning and installation of **energy, waste, and water** interventions.
- Assisted in report preparation and stakeholder meetings.

Technology Informatics Design Endeavour-India (TIDE-India)

| Intern | Mumbai, Maharashtra

Jan 2024 - May 2024

- Conducted comprehensive surveys of building infrastructure in Navi Mumbai schools.
- Designed intervention packages to enhance structural efficiency and reduce carbon footprint.
- Developed and maintained a database of vendors for implementing structural interventions.
- Monitored implementation to ensure quality and adherence to engineering standards.

Positively communicated and coordinated outputs with other disciplines.

Achievements

- Reduced carbon emissions by **4.8 tons** annually through solar panel installations.
- Achieved monthly electricity savings of **957 kWh**, improving overall energy efficiency.
- Promoted sustainability through structural and renewable energy initiatives.

CERTIFICATIONS

STAAD.Pro Connect Edition. (BENTLEY SYSTEM)

AUTOCAD- AUTODESK

ETABS