



Suraj Patil

Roll No.:2211CE20

Geotechnical Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech.	Indian Institute of Technology, Patna	8.12/86.2	2022-Present
B.E. (CE)	Sharad Institute of Technology college of Engineering	62.40	2013-2017
HSC	Main Rajaram Junior College, Kolhapur, Maharashtra	71.17	2013
SSC	Private Highschool, Kolhapur, Maharashtra	87.04	2011

EXPERIENCE

- **Om Consultants** JAN 2018 - March 2019
Site Supervisor Ichalkaranji, Maharashtra
 - As a Jr.Site Supervisor, I was responsible for overseeing and managing various construction and development limited to residential projects. I played a pivotal role in ensuring that projects were completed on time, within budget, and met quality standards.

PROJECTS

- **Masters Project**
"Correlation Between Shear Wave Velocity And Resistivity And other soil parameters"
 - **Objective:** Correlating Geophysical methods Such as MASW (Vs) and Electrical resistivity (ρ) with SPT-n Value, Damping Ratio, Shear modulus, Cone Resistance.
 - **Description:** Performing the MASW and ERT for soil investigation and finding Shear wave velocity and Resistivity by analysis and correlating and generating expression between the existing geotechnical parameters.
- **Bachelors Project**
"To study the effect of alum as filter aid on the ripening period of the conventional rapid sand filter"
 - Model was prepared of Glass and filter media was used of specified coefficient of uniformity (C_u) and water was filtered and after backwashing, Effect/change in ripening period was noted after using alum.

TECHNICAL SKILLS

- **Programming:** Geogiga Surface Plus(MASW), Plaxis 2D, Flac 2D, Geostudio
- **Ms Office Skills:** Ms Word, Ms PowerPoint, Ms Excel

ACADEMIC EXPERIENCE

Conducted Fluid Mechanics Laboratory Experiments, Soil Mechanics Lab, Engineering Drawing Tutorials and assisted exam, assignments.

EXTRA CURRICULAR ACTIVITIES

- Represented college Football team as CAPTAIN at INTER IIT Sports meet.
- Organised Blood donation Camp, Photography Exhibition Under CESA at UG college.
- Chief student editor of "Sthapathya Varta" Newsletter editing team at UG college.

KEY COURSES STUDIED

- Advanced Soil Mechanics, Ground Improvement Techniques and Reinforced Earth, Soil Exploration.
- Traffic Engineering and Highway Safety, Advanced Flexible Pavement Analysis and Design, Finite Element Methods.
- Fundamentals of Soil Behaviour, Geoenvironmental Engineering, Advanced Foundation Engineering, Rock Engineering.
- Geotechnical Engineering Laboratory Computational Geotechnical Engineering Laboratory.