Harsh Pratik

Civil Engineer
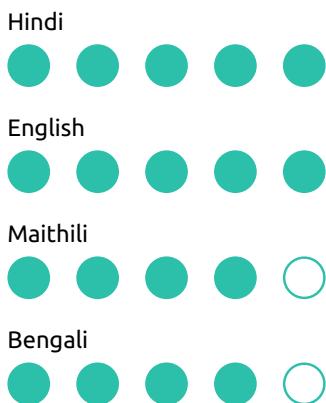
Expanding my learning, knowledge and skills

✉ harshpratik.blr@gmail.com

📱 8540065587

📍 BANGALORE, India

SKILLS

BIM
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REVIT
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Python
●●●●○

AutoCAD
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StaadPro
●●●●○

Etabs
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LANGUAGES

Hindi
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English
●●●●●

Maithili
●●●●○

Bengali
●●●●○
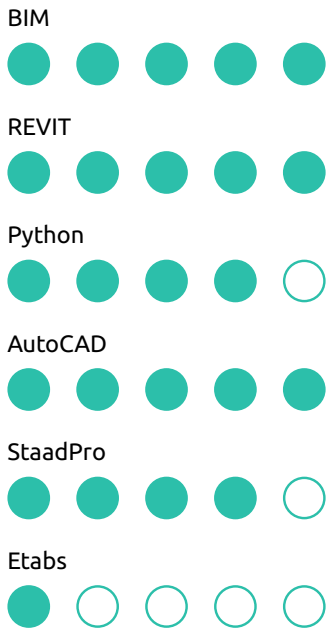
INTERESTS

Chess Photography Reading

EDUCATION

Bachelor of Engineering
CMR Institute of Technology, Bangalore
08/2016 - 08/2020   *CGPA - 7.2*

Higher Secondary
Jamshedpur Co-Operative College, Jamshedpur
04/2014 - 04/2016   *Percentage - 60%*

Secondary Schooling
J.G. High School, Vaishali
04/2001 - 04/2014   *Percentage - 66.66%*

WORK EXPERIENCE

Assistant System Engineer
Tata Consultancy Services
08/2020 - Present   *Bangalore*

CERTIFICATES

Autodesk Revit Architecture

PROJECTS

Hydraulic Conductivity of enzyme modified Black Cotton Soil
- Black Cotton (BC) soil is found widely in many areas of north Karnataka such as. Due to the high swelling and shrinkage characteristics as well as low shear strength exhibited by this soil, it poses challenges to different construction activity. The work undertaken focused on improving/altering the swelling behaviour, compressibility and hydraulic conductivity of Black cotton soil.

Study the boundary effect of enzyme modified Laterite Soil
- In order to improve the properties of Laterite soil, the soil is mixed with Terrazyme which is used to stabilize the soil. The effect of enzyme in terms of California Bearing Ratio (CBR) is studied.

Trend Analysis and criteria air pollutants & selected locations of Bangalore city
- Bangalore is experiencing varying levels of pollution with certain areas having either high or critical levels of the pollutants analysed in this study. There is a reduction in the total SO_2 and NO_x content and increase in PM content in many areas.

Analysis of truss using Etabs
- Analysis of a simple truss frame is done using ETabs Software

Finding angle of friction of cohesionless sand
- In this experiment we found out the cone of friction and determined the angles of friction for different soil samples.

Designing a Resort using Revit
- In this project I created a Revit 3D model of a resort which consisited of interior design, parks design, swimming pools design and also the building design.

INTERNSHIPS & SEMINARS

Regalia Civils (01/2020 - 02/2020)
Learnt about REVIT concepts. Integrated and used BIM Modelling concept in REVIT. Created Resort Plans and Feasibility reports on various details.