

CHARMI BHANUSHALI

E- 1106, GK Rose Aster, Kate Wasti Road, Gaikwad Nagar, Punawale, Pune, Maharashtra- 411033.
9768834200 | bhanushalicharmi167@gmail.com

- ▶ Experienced Deputy NDT Technical Manager with a proven track record of enhancing structural integrity and safety.
 - ▶ Expertise in NDT techniques, structural analysis, Revit modeling, and project management.
 - ▶ Proven success in implementing innovative repair and retrofitting solutions.
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PROFESSIONAL EXPERIENCE

Raje Structural Consultant, Mumbai • Deputy NDT Technical Manager 04/2022 – 06/2025

As Deputy NDT Technical Manager, I led the structural design and Revit modeling of new buildings, producing accurate structural models with detailed reinforcement layouts, rebar configurations, complete concrete modeling, and Revit modeling for renovation and quantity estimation work. Alongside design responsibilities, I conducted structural and engineering quality audits for under-construction and existing RCC buildings, focusing on workmanship quality, material compliance, and adherence to approved drawings and standards. I planned, supervised, and interpreted NDT investigations to support structural assessment and reporting. I prepared and reviewed structural audit reports, observations, and technical recommendations for repair and retrofitting works, and coordinated with site, testing, and design/BIM teams to ensure effective inter-disciplinary coordination across audit findings, NDT results, and engineering outputs.

Capstone Consultants Pvt. Ltd., Mumbai • Civil Site Engineer 12/2020 - 04/2022

As a Site Engineer, I was responsible for conducting Structural Audits and Assessments of standard and complex structures. This included evaluating the structural integrity and stability of various structures for prominent clients such as Mazagon Dock Shipbuilders Limited and Godrej and Boyce Mfg. Co. Ltd. I also performed Non-Destructive Testing (NDT) procedures and prepared Bill of Quantities (BOQs) and Proforma-B. Furthermore, I was responsible for the preparation of comprehensive Audit Reports and Stability Certificates.

N.M.Consultants, Mumbai • Civil Engineer 06/2020 - 12/2020

Successfully executed Structural Audits and Repairs on a variety of structures. Conducted comprehensive NDT tests to assess structural integrity. Prepared detailed Structural Audit Reports, AutoCAD drawings, and distress mapping. Developed Bill of Quantities and managed the preparation of Bills/Invoices and Proforma-B.

Gained practical experience in Structural Audits and Report preparation. Conducted NDT tests and prepared AutoCAD drawings. Assisted in the tendering process for repair and redevelopment projects. Participated in marketing activities, including presentations at BMC Wards and exhibition.

SKILLS

- ▶ Revit Structure
- ▶ Thermal Scanning
- ▶ NDT Testing
- ▶ Structural Audits and Repairs
- ▶ AutoCAD
- ▶ Ground Penetrating Radar Scanning

EQUIPMENT PROFICIENCY

- ▶ Core compression Testing Machine
- ▶ Ultrasound Pulse Velocity
- ▶ Ground Penetrating radar scanner
- ▶ Rebound Hammer
- ▶ Half Cell test
- ▶ Thermal Camera

SOFTWARE PROFICIENCY

- ▶ Revit Structure
- ▶ MS Office
- ▶ AutoCAD
- ▶ ZWCAD

EDUCATION

| YEAR | NAME OF EXAMINATION | INSTITUTE | PERCENTAGE/CGPA |
|------|----------------------------|--|-----------------|
| 2020 | B.E Civil Engineering | Thakur College of Engineering and Technology | 7.77 CGPA |
| 2015 | Higher Secondary Education | Maharashtra Board | 60% |
| 2013 | Secondary Education | Maharashtra Board | 76.18% |

PAPER, CERTIFICATION & ACHIEVEMENT

Achievement: Won Idea Presentation for R & D Hobby Club-2018 at Thakur College of Engineering and Technology, Mumbai (Rank 1)

Certification: Completed Revit Structure Beginners to Advanced course offered through Udemy

"Engineering Project Management" by Rice University (Coursera)

"Construction Management" by Columbia University (Coursera)

"Project Management Principles and Practices" by University of California, Irvine (Coursera)

Research Paper: "Paper Presentation Contest (EWPPC)" on Evaluation of Rutting Parameters of Dense Graded Bituminous Mixes Using Modified Binders.