



BRIEF SUMMARY

Proactive Civil Engineering student, gaining hands-on experience in land development and AutoCAD drafting. Proficient in project management methodologies and adept at collaborating with diverse teams. Seeking an entry-level position to contribute to sustainable infrastructure projects.

KEY EXPERTISE

Design and analysis MS Excel Etabs Autocad Fusion 360 Project Management Revit Analytics and Reporting
Risk Management Design and planning Communication Skills

EDUCATION

MIT Academy of Engineering, Pune B.Tech. - Civil Engineering CGPA: 8.54 / 10	2020 - 2024
Janta Mahavidyalaya, Chandrapur 12 th MSBSHSE Percentage: 82 / 100	2019
ST. Michale's English School Chandrapur, Chandrapur 10 th CBSE Percentage: 92.80 / 100	2017

AWARDS AND SCHOLARSHIPS

- TFWS Admission (Tuition fee Waiver Scheme)
- ONGC Scholarship

INTERNSHIPS

ARRCANE DESIGN GROUP Construction & Engineering Key Skills: Revit Soft skills Modal Analysis Design Sketchup Autocad Assisted in design & visualization of sustainable multi-family housing project, contributing to energy-efficient solutions & BIM modeling. Gained practical experience in architectural design process, from concept sketches to construction documents, within a collaborative studio environment. Honed technical skills (AutoCAD, 3ds Max) & collaborated on building envelope design for high-rise office development, emphasizing sustainability & occupant comfort.	19 Jul, 2023 - 19 Aug, 2023
GHARKUL CONSTRUCTIONS Construction & Engineering Key Skills: AUTOCAD Task Management Project Planning Layout Design Managed subcontractors and coordinated construction activities. Implemented safety protocols and monitored progress to ensure project completion on time and within budget. Performed structural analysis of and designed reinforcement. Contributed to design development. Contributed to sustainable infrastructure development through project-specific initiatives.	02 Jan, 2023 - 04 Feb, 2023
PUBLIC WORKS DEPARTMENT (PWD) Construction & Engineering Civil Engineering Student Key Skills: GIS Data Analysis Mapping Surveying Site Management Design Internship at the PWD provided me with invaluable hands-on experience in flood risk assessment and mitigation, allowing me to develop strong technical skills and contribute to a project with real-world impact on a vulnerable community. Assisted in infrastructure assessment and rehabilitation planning for urban roads and bridges. Gained exposure to construction site supervision and material quality control procedures.	02 Jan, 2023 - 03 Feb, 2023

PROJECTS

Fragility Analysis of RCC Frames

Key Skills:

Statistical Analysis Structural Dynamics Seismic analysis Seismic design Project Management ETABS
Earthquake Engineering Data analysis and interpretation

Leveraged fragility analysis methods to assess seismic vulnerability of RCC frames, informing risk mitigation strategies. Developed fragility curves for diverse RCC frame configurations (regular, setback, with shear walls) under different ground motion characteristics. Utilized advanced statistical techniques like lognormal regression and ensemble neural networks to construct fragility curves. These curves relate the probability of exceeding various damage states to seismic intensity measures. Employed fragility curves to inform seismic risk assessment and retrofitting strategies for existing RCC buildings. Data-driven insights for improved seismic design and rehabilitation practices.

Sustainable Techniques Of Grey Water Treatment And Recycling

Key Skills:

- Environmental Science
- Sustainability
- Green Building Intergration
- Risk Management
- Scalibility
- Water Management
- Cost Analysis

To evaluate and compare the effectiveness and feasibility of various sustainable techniques for treating and recycling greywater for non-potable uses. Developed a comprehensive understanding of sustainable greywater management practices. Quantified the potential for water conservation and environmental benefits through greywater reuse. Contributed to the development of sustainable water resource management strategies. Identified the most effective and cost-effective treatment techniques for specific applications.

ACHIEVEMENTS

- Participated in Unstop Loreal Sustainability Challenge
- Secured 1st in College poster competition

ASSESSMENTS / CERTIFICATIONS

Project Management Fundamentals (IBM)

Key Skills:

- Project Managment skills
- Teamwork
- Leardership
- Quality Assurance
- Time Management
- Risk Management
- Communication Skills
- Risk Assessment

MATLAB

Key Skills:

- MATLAB programming
- Linear algebra
- Data analysis
- Numerical methods
- Scripting and automation
- Signal processing
- Simulink
- Object-oriented programming

FUSION 360

Key Skills:

- Autodesk Fusion 360
- Design Stimulation
- Generative Design
- Cloud Collabration
- Parametric modeling
- 3D modeling
- Assembly modeling

Developed and implemented a Fusion 360 workflow that reduced design time by 20% for a complex engineering project. Utilized generative design techniques in Fusion 360 to achieve a 15% weight reduction in a product component. Successfully collaborated with a remote team using Fusion 360's cloud platform to complete a project on time and within budget.

SEMINARS / TRAININGS / WORKSHOPS

FUEL Training Program Institute Name: Friends Union For Energising Lives (FUEL)

Key Skills:

- Java
- SQL
- Javascript
- Problem analysis
- Problem Solving
- Databases
- Comphrensive Skills
- HTML
- Database Management

Underwent a 6 month training program focused on frontend development, acquiring comprehenesive skills in the field.

CO-CURRICULAR ACTIVITIES

- Council Member MIT 2023
- Class Representative MIT 2023
- Core Member of Literary Club
- Gdsc Member
- Ex-Member, IUCEE MITAOE

EXTRA CURRICULAR ACTIVITIES

- Secured Second in Inter college Carrom
- Content and Social Media Team member, Cloud Community Days, Pune 2023

PERSONAL INTERESTS / HOBBIES

- Dance
- Singing
- Travelling
- Blogging
- Sports Participation