SHESHRAMAN SHRESTHA

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EDUCATION

National Institute of Technology, Silchar — Assam, India
Bachelor of Technology - Civil Engineering; CGPA: 8.42 — *December 2021 - Ongoing*

Kathmandu Model Secondary School, Kathmandu — Kathmandu, Nepal
HSC; Percentage : 89.25 — *June 2019 - June 2021*

St. Joseph's English School, Gorkha — Gorkha, Nepal
SSC; Percentage: 96.25 — *April 2013 - April 2019*

INTERNSHIP EXPERIENCE

Marsyangdi Hydro Power Station — Onsite, Nepal
Intern — *May 2023 - July 2023*
- **Sediment Calculation**: Assisted in calculating sediment of Marsyangdi River, reducing sediment deposition during hydroelectric power generation
- **Flushing and Measurement**: Coordinated in echo-sound measurement and flushing processes, improving operational efficiency
- **Data Processing**: Collaborated in processing sediment and hydro data, which led to enhanced decision-making in sediment flushing

Indian Institute of Technology, Kanpur — Kanpur, India
SURGE Intern - Hydraulic and Water Quality Modeling of Water Distribution Systems — *May 2024 - July 2024*
- **Project Scope**: Modeled water distribution system using EPANET, improving efficiency and reducing water loss
- **Tools Used**: Utilized MS Excel, EPANET, and EPyT Toolkit to analyze 50+ data variables, enhancing system accuracy
- **Key Contributions**: Analyzed Suvarnadhara water distribution network, resulting in improvement of system performance

PROJECTS

Relation Between Inconsistency in Lateral Placement and Heterogeneity Index — Onsite, India
Research Assistant — *July 2023 - August 2024*
- **Data Analysis**: Extracted data from 30 minute video file for evaluation using MS Excel and Kinovea, improving accuracy in placement analysis
- **Tools Used**: MS Excel, Kinovea for video analysis and data extraction

Final Year Project - Design and Analysis of G+3 Market Complex — Onsite
NIT Silchar — *August 2024 - Ongoing*
- **Structural Design**: Design and analyze a G+3 market complex using STAAD Pro, AutoCAD, and Revit

SKILLS

- **Software**: MS Excel, PowerPoint, AutoCAD, Revit, ETABS, StaadPro, EPANET
- **Programming**: Python (for data analysis), SQL (for database queries)
- **Additional Skills**: Adaptability, Creative Problem Solving, Team Collaboration, Project Management
- **Soft Skills**: Communication, Analytical Thinking, Time Management, Public Speaking

CERTIFICATIONS AND ACHIEVEMENTS

- **AutoCAD Design**: 6-week training in AutoCAD with expertise in 2D and 3D structure design
- **StaadPro Workshop**: Completed 4-day workshop on structural analysis using StaadPro
- **COMPEX Scholarship**: Awarded full-fee waiver scholarship for outstanding academic performance

EXTRACURRICULAR ACTIVITIES

- **Astronomy Club**: Member, actively engaged in club activities and space-related events
- **Music Club**: Coordinated events during Incandescence 2024, managed multiple cultural performances
- **Karate Club**: Participated in self-defense classes and led a beginner training session
- **Trekking Club**: Organized group expeditions, fostering team-building and leadership