




RAISA TAMSIN HUSSAIN

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SKILLS

Hard Skills

Project Management

AutoCAD

STAAD Pro

ETABS

SAP2000

OCTAVE

ABAQUS

Autodesk Revit

Section Builder

Advanced Concrete Technology

Advance Concrete Structures

Wind Engineering

Earthquake Engineering

Structural Dynamics

Geotechnical Engineering

Soft Skills

Problem Solving

Adaptability

Collaboration

Strong Work Ethic

Time Management

Critical Thinking

Handling Pressure

Leadership

Languages

English

Assamese

Hindi

RESUME OBJECTIVE

Detail Oriented postgraduate of Structural Engineering and graduate of Civil Engineering seeking a career opportunity and experience to utilize my technical skills and training in the field. Coming with exceptional fresh knowledge and organizational skills.

EDUCATION

- | | |
|------------------|---|
| 2019-2021 | Master of Engineering in Structural Engineering and Master of Philosophy, Asian of Institute of Technology, Thailand
3.33 out of 4 CGPA (87%)
AIT Fellowship for the year 2019-2021; Asian Institute of Thailand |
| 2015-2019 | Bachelor of Technology in Civil Engineering, Assam Don Bosco University, India
9.69 out of 10 CGPA (96.9 %) |
| 2013-2015 | Higher Secondary Examination, Sai Vikash Junior College
91.2 % |
| 2002-2013 | High School Leaving Examination, St Mary's Higher Secondary School
85.2 % |

EXPERIENCE

- *Assistant Engineer of Civil Engineering in The Assam Royal Global University (Feb 2023 -Till Date)*
- *Software Faculty of AutoCAD, Etabs, Staad Pro, Sap etc at CEC NH37 Basistha Chariali (January 2022 -Till Date)*
- *Civil Site and Project Engineer at R.K. Industries (January 2022 -Till Date)*

INTERNSHIPS AND PROJECTS

- *An experimental study of the extruded mortar using 3D printing technique (July 2020 - December 2021)*
- *Structural Design of Tall Buildings with Proposed design of a 60-storey building in Quezon City, Philippines (January 2020 - May 2020)*
- *Forensic Investigation and Structural Retrofitting of Structures with different case studies like Investigation of broken billboard and load case studies of Quay Structure (January 2020 - May 2020)*
- *Comparative Analysis of Preplaced Aggregate Concrete and Shrinkage-Compensating Concrete (August 2019 - December 2019)*
- *Design of Simply Supported Deep Beam for Flexural Failure (August 2019 - December 2019)*
- *Analysis and Design of a G+3 Residential Building in Guwahati City (July 2018 - June 2019)*
- *Roads and bridge works executed by public works deptt. in Karimganj district (December 2018)*

Co – Curricular Activities

- Advisor of Civil Club – Nirmaan (2018-2019)
- President of Civil Club – Nirmaan (2017-2019)
- Vice President of Civil Club – Nirmaan (2016-2017)
- Vice President of Curtain Call (2019)
- Member of the Drama Club (2016-2019)

Extra-Curricular Activities

- Visharad in Kathak Classical Dance (5 years)
- Gandharva Indian Classical Music (4 years)
- Acoustic Guitar (2years)
- Volunteer at Mother Teresa House -Shanti Daan, Lankeshwar, Guwahati, Assam
- Swastayaan- Tutoring underprivileged children.
- Blood Bank
- Volunteer in Rangayaan, 2016-2018

REFERENCE:

Dr. Thanakorn Pheeraphan;
Professor, Royal Thai Air Force Academy, Thailand.
Adjunct Professor, AIT, Thailand
Associate Professor,
Department of Civil Engineering,
petevmi91@yahoo.com;

- *Removal of Lead by using Water Hyacinth Roots under Dr. Ajay Kalamdhad in Indian Institute of Technology, Guwahati (July 2018)*
- *Design of a Retaining Wall on a Landslide Prone Area in Guwahati City (January 2018 - June 2018)*
- *Various testing on soils and Construction Materials' organized by Assam Road Research and Training Institute (January 2018)*
- *Effect of Repeated Flooding on the Water Absorption Capacity of the soil (August 2017 - December 2017)*

CONFERENCES and PAPERS

- ❖ *"Sustainable Production: Green Cement Initiative" organized by West Bengal State Centre of The Institution of Engineers (India) (November 2023)*
- ❖ *Adsorption Of Lead Ions From Aqueous Solution By Dried Roots Of Water Hyacinth (Eichhorniacrassipes) (September 2023)*
- ❖ *Recent Development in High Strain Rate Mechanics and Impact Behaviour of Concrete; Concrete Convention ACI (March 28/29, 2021)*
- ❖ *Adjusting Workability for Successful 3D Concrete Printing; Concrete Convention ACI (March 28, 2021)*
- ❖ *9th Joint Student Seminar on Civil Infrastructures; The University of Tokyo, Japan and AIT, Thailand (December 8-10, 2020)*
- ❖ *Seminar on Structural Modelling for Buildings and Bridges by Dr. Naveed Anwar; AIT Solutions (27 May 2020)*
- ❖ *Ready- Mix and Pre-Cast Concrete Technology in Europe – Chemical Admixtures, Plant Design and Application Aspects by Prof Johann Plank, Chair for Construction Chemicals, department of Germany, Technische Universität München, Germany (26 Feb 2020)*
- ❖ *Future Trends of Digital Fabrication in Architecture, Engineering and Construction, Prof Robert J Flatt, Institute for Building Materials, Swiss Federal Institute of Technology, Zurich; Thailand Concrete Association (TCA) (19 Feb 2020)*
- ❖ *Bridge Design Workshop in Technische, IIT Guwahati (31st Aug – 3rd Sept 2017)*
- ❖ *Impact of Climate Change on the Hydrology of the Brahmaputra Basin (29 April 2017)*