

NUSRAT REZA

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OBJECTIVES

As a fresh graduate in architecture from a reputed university, seeking for an opportunity in the field of architecture. Objective is to render my services with a new dimension of architectural world by using latest computing tools to effectively utilize the skills, expertise & experiences gained over the 5 years in academic environment together with commitment & hard work to achieve the strategic goals of the organization.

EDUCATION

- **Bachelor of Architecture - 2023**
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh.

SOFTWARE SKILLS

- Adobe Photoshop
- Sketchup
- Rhino
- Autodesk's AutoCAD
- ArchiCAD
- Lumion
- Adobe Premiere Pro
- Revit

FREELANCE WORKS

- Interior design of a residence in Lithonia, GA. 3D modeling using Sketchup, interior and exterior render using LUMION .
- Interior design of a bank, branding idea render of Warpspeed & Momo brand. Used Autocad, Sketchup and LUMION.
- Logo design of an online art exhibition website Blombos using photoshop.

INTERNSHIP IN DEPARTMENT OF ARCHITECTURE, PUBLIC WORKS DEPARTMENT, BANGLADESH. (3 MONTHS)

- Construction drawing production (section, elevation, column grid, beam grid) of a Buddhist monarchy in Lumbini, Nepal using Autocad.
- 3D modeling of the monarchy using sketchup and rendering in LUMION.
- Site supervision of Public Park renovation and amenities improvement.
- Site supervision of Rayer Bazar Baddhyabhum (museum and library) improvement.
- Material selection for interior design. Negotiated and managed cost and budgets.
- Model making and construction drawing of Dinajpur Monument . Laser cut model making using Autocad.

ACADEMIC PROJECTS

- **Thesis (6 months) - From Orientalism to Cultural Sustainability: Reshaping our Worldview, Rangamati Indigenous Cultural Institute.**

Technical considerations:

Managed contoured site and treated the valley with local construction technic and proposed local material. Autocad (for organic shape plans), Applied Sketchup,Photoshop,Rhino,LUMION

Concept:

Treated the building aspects and space from local cultural perspective and accommodated the programs by breaking orientalist view.

- **Designed Residential project(4 months)**-Apartments for Future

Technical considerations:

Real Estate apartments with specific FAR (floor area ratio) according to BNBC (Bangladesh National Building Code) calculations, sale price and profit. Construction of high-rise Structure. Interviewing the minority groups, landowners for data and requirement analysis and developing communication skills.

Concept:

Apartment for minority (single mothers) in Bangladesh (selection of the user group according to student's choice) and accommodating programs according to their lifestyle.

- **Simulation Based projects(3 months)**-Parametric Architecture

Technical considerations:

Software and sensor based façade design.
Luminous environment of indoor and comparison with ECOTECH, DAYISM,TT toolbox.
Web based calculation for reducing EUI.
Energy simulation radiation, annual daylight availability.
Path to net zero climate studio.
PMW-PPD analysis (web based).

- **Housing Project**-De-growth

Technical considerations:

Housing on the hilly area for the minority group with consideration of the local materials and construction technic and providing environmentally sensitive design.3D modeling using Rhino.

Concept:

Rebuilding the forest matrix with the participation of local people and appreciating vernacular architecture, merging architecture with the forest landscape.

- **CFS**-Unstoppable "I": Identify, Interact ,Integrate

Technical considerations:

Designing through tactile engagement and integrating ground floors for narrow roads and connecting roofs to create child friendly spaces.
Designing a school for the children living in the neighborhood using Autocad and Sketchup and Rhino for technical drawings and 3d modeling.

Concept:

Clearing identity setbacks ,Geneva camp, Bangladesh.
Giving the children all the necessary requirements through space design considering Maslow's hierarchy of needs.

- **Urban Design**-Resilient urbanism

Technical considerations:

Conservation of historical sites and disaster resilient treatment.

Concept:

Conservation of street culture and creation of cultural corridor by the concept of trading tradition.

- **Interior Design(3 months)**-indoor environment of Hameem Group of Industries

Technical considerations:

Furniture design of worktable and storage space ,using Autocad.

Construction drawings using Autocad.
Light fixture plan using Autocad.
Material details using Autocad.
Cost estimation.

- **Landscape Design(6 months)-**
Treating the dying lake of Shahjahanpur area and reviving the outdoor public activities.
- **High-rise project-Vertical University**
Technical consideration:
Façade treatment with parametric architecture for less carbon emission of a high-rise. Technical and construction drawings using Archicad and Rhino for façade detail.
- **Commercial project-**
Design of a library for a better indoor facility and different structural technic (steel truss and cantilevered).
Designed a brand outlet for Samsung company (handling complex geometry for a building form).

ACHIEVEMENTS

- Award on overall participation and **disciplinary excellence** in school.
- Awards on music from WHICH college.
- **Vice President** (Design) of the BUET cultural club "Murchona".

PERTICIPATION

- **Architecture DESIGN Competition** on "Impulsive Schooling" on ArchTwist.
- Workshop in school on "Safety during Natural Disasters of Bangladesh"
- **Organizer** for cultural club events MURCHONA.
- Participation in Biswashahittya Kendra (center of **classical music**) Design **competition** for adolescents.
- **Internship** for 3 months at Department of Architecture, Public Works Department Bangladesh.

REFERENCES: To be provided upon request.