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Building Design Consultant & M. Arch Candidate

. **Hello**, I am Sammana, a Building Design Consultant and Master of Architecture candidate with nearly five years of experience designing residential buildings in Adelaide, specializing in climate-responsive design. I bridge advanced BIM workflows with hand-sketching, and iterative, conceptual design development to deliver spatial fluidity along with technical accuracy. Currently finalizing my M. Arch degree at Curtin University (HD average), my approach to practice focuses on Regenerative Architecture, communal placemaking, and Country centered design philosophy. I am a collaborative team player, and problem solver dedicated to socially just, sustainable, and contextually sensible architecture and actively pursuing architectural registration through the ARBVM.

. CONTACT DETAILS

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. LINKS

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. TECHNICAL SKILLS

ArchiCAD (Advanced)
SketchUp (Advanced)
AutoCAD (Intermediate)
Revit (Intermediate)

V-Ray, D5 Render
Adobe Creative Suit
Hand Drafting
Visoid ai, Midjourney

eTool (LCA)
QGIS
Microsoft Office Suite

. DESIGN & RESEARCH INTERESTS

My thesis proposes *Regenerative Retrofitting as a sustainable alternative to the BHB, Victoria Government initiated "demolish and rebuild" model for Melbourne's public housing towers*, focusing on the retention of embodied carbon and existing communities. By integrating the Country-centered placemaking approach along with communal resource-sharing, the project aims to transform high-density public housing tower into a self-sustaining, and resilient vertical urban village. The goal is to retain and regenerate these housing towers, so they don't end up in the landfill and ensuring a broader social cohesion through a place-based design that honors the Country and its kins.

Climate-Responsive: Passive design, life-cycle assessment (eTool), and biophilic integration.

Regenerative Architecture: Retrofitting existing structures to retain the embodied carbon and minimize overall environmental footprints.

Country-Centered Design Principles: Applying "Caring for Country" framework into any design.

Community led placemaking: How a space turn into a communal place through upfront, active engagement with the stakeholders.

. ACADEMIC QUALIFICATION

Master of Architecture (online)

Expected completion: June, 2027
Curtin University, Perth, Western Australia
Current Course weighted average 83.5% (High Distinction)

Bachelor of Architecture (B. Arch)

5 year professional degree
Bangladesh University of Engineering & Technology (BUET)

. PROFESSIONAL EXPERIENCE

. Building design consultant (Adelaide)

TS4 living: Climate responsive homes

January, 2020 - January, 2022 (on contract)

Job responsibilities:

1. Led residential projects from concept through to construction documentation
2. Produced planning and building approval drawing sets aligned with Australian standards
3. Coordinated with consultants, councils, and clients to resolve RFIs and design changes
4. Delivered climate-responsive designs using passive solar principles and thermal performance frameworks
5. Developed detailed joinery, interior layouts, utility, power, and lighting documentation

April, 2019 - October, 2019 (project based contract)

Job responsibilities:

1. Produced schematic and conceptual design based on client meetings and brief.
2. Prepared design presentation for client meetings.
3. Planning application drawing set preparation and finalization after client meeting.
4. Responded to RFI from planning authority.

October, 2017 - September, 2018 (on contract)

Job responsibilities:

1. Developed company portfolio and presentation assets for public information nights.
2. Produced planning application sets and conceptual designs for residential retrofits.

. Graduate architect (Bangladesh)

ISOVISTS: Architectural, engineering and interior design consultants

July, 2015 - December, 2016 (full time position)

Job responsibilities:

1. Contributed to architectural, engineering, and interior design consultancies.

. Junior Lecturer (Bangladesh)

State University of Bangladesh

May, 2014 - June, 2015 (full time position)