

Aisha Cheema

Masters of Architecture Candidate at MIT SA+P

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aishacheema.com

Teaching

Spring 2025 Teaching Assistant for MIT 4.462/4.440/1.056 MIT SA+P (Cambridge, MA)

Working with John Ochsendorf to teach the Intro to Structural Design. Assisting with lab coordination and teaching students about fabricating with structures in mind.

Fall 2024 Teaching Assistant for MIT 4.314 MIT SA+P (Cambridge, MA)

Working with Matej Vakula to teach Advanced Workshop in Artistic Practice and Transdisciplinary Research: Topics in Biological Arts, Ethics, and Automation.

Fabrication

Spring 2025 MIT Next Earth Exhibition Assistant MIT SA+P (Cambridge, MA)

Working with Leslie Norford and Eduardo Gascon Alvarez of the Building Technologies Group, I helped curate and fabricate items for the exhibition in Venice at Palazzo Diedo.

2023 - 2024 Rapid Prototyping Lab Assistant MIT SA+P (Cambridge, MA)

Supervised safety and training for students using the fabrication shops in the Department of Architecture and also advising students on fabrication for their projects.

Architecture

2021 - 2023 Designer Astra Studios (Columbus, OH)

Leading design and build of pop-up installation for a non-profit organization
Managing all social media accounts, promotional graphics, and websites for outreach
Overseeing conceptual/construction design phases for residential/commercial projects
Organizing application material for use in grants, publications, and seminars

2021 - 2023 Architectural Intern Dean Wenz Architects (Columbus, OH)

Creating as-built models of existing residential buildings without documentation
Drafting initial CD sets in Revit for complex of 250 detached apartment unit, including foundation plans, wall sections, roof framing plans, and notated elevations/plans
Working with engineering firms to revise CD sets according to requests

Other

2025 NOMAS Executive Board Co-Chair
Organizing events + communications for student group

2024 LOTEK - Work in Progress
Building and installing LOTEK's gallery exhibition

2024 stock-a-studio - CLUB KITS
Building and Installing stock-a-studio's gallery exhibition

2024 MIT Graduate Student Union Steward
Organizing student grievances and concerns in SA+P

2024 OFFCUT/CUTOFF Exhibitor
Fabricating and exhibiting metal artworks in Bahrain

Skills

Digital Adobe Suite, AutoCAD, Revit, Rhino, VRAY, Enscape, Grasshopper/Python in Rhino, Processing/p5.js, Unity, KARAMBA, Pachyderm, Cargo Site, Squarespace, Figma

Physical 3-Axis/5-Axis CNC milling, 3D printing without infill, vacuum forming, pen plotting, 3D scanning, tig welding, metal lost wax casting, metal finishing, compressed earth block casting, laser cutting, wood working, concrete casting

Language Fluent in English + Urdu
Proficient in Punjabi + Hindi