

# Arpit Malhotra

Architect | BIM | AI Business Integration Strategist | Content Creator

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## EDUCATION

### University of Michigan

Ann Arbor MI

Master of Architecture  
Expected May 2026

Grad. Certificate in Innovation & Entrepreneurship  
Expected May 2026

Certificate in FARO 3D Scanner Operations  
Dec 2025

Certificate in Generative AI in Business  
May 2025

### Chandigarh College of Architecture

Chandigarh, India

Bachelor of Architecture  
July 2021

Bachelor of Building Sciences  
July 2019

## SKILLSETS

### AI

DALL-E, MidJourney, AnimateDiff, Architect AI, Generative AI Workflows

### BIM & CAD

Revit, ArchiCAD, AutoCAD

### 3D Modeling & Parametric Design

Rhinoceros, Grasshopper, SketchUp

### Visualization & Rendering

Lumion, V-Ray, After Effects

### Graphics & Documentation

Adobe Suite, Bluebeam

## WORK EXPERIENCE

### Project Architect & Assistant Manager

dp+ partners architects | Washington DC, US

July 2022 - January 2024 | July 2019 - December 2019

- Executed client-focused projects, coordinating consultants via BIM to enhance design integration and reduce clashes.
- Supported construction administration for two 1500 sq ft wellness centers, managing design changes and ensuring on-site compliance.
- Developed RFPs and maintained the firm's website, strengthening client engagement and supporting business development.
- Conducted site visits, documented existing conditions, and prepared close-out reports to verify quality and project completion.
- Produced presentation materials, renderings, and mood boards to define design aesthetics and materiality.

### Architectural Assistant – Historic Preservation

ARC, PC | New York City, US

November 2021 - July 2022 | Remote

- Contributed to historic preservation at Columbia University by preparing conservation reports and conducting building condition surveys.
- Supported restoration architecture by creating construction documentation (CDs), as-built drawings, and managing closeout documents.
- Assisted with payment application (AFP) paperwork

### Project Architect & Assistant Manager

Williams & Williams Architecture | Louisiana, US

Jan 2020 - Jul 2022 | Remote

- Designed adaptive reuse of a library for Southern University, integrating sustainable and functional design solutions.
- Co-managed the SU Clinic project from design development through construction documentation.
- Supervised outsourced international teams, ensuring seamless collaboration with construction and joint-venture firms.
- Coordinated with consultants and stakeholders to align project goals and communication.
- Utilized BIM on Revit Cloud for accurate, collaborative, real-time documentation.

## EXPANDED SKILLSET

### Project Management

Asana

### Augmented Reality

Adobe Aero (working knowledge)

### Digital Fabrication

Laser Cutting, 3D Printing  
Zünd Cutting, Vacuum Forming  
CNC Cutting & Rod Bending

### Programming

Python (fundamentals, scripting)

### Mapping and Survey

Faro 3D scanner

## AWARDS & ACCOMPLISHMENTS

### Honourable Mention (Top 45)

International Mango Architecture, 2022

### Honourable Mention (Top 48)

Archresource Thesis Competition, 2022

### National Winner

A3 Foundation Photography Award, 2022

### All India Shortlisted (Top 4)

CRIT Room Thesis Panel, 2021

### All India Shortlisted (Top 8)

CRIT Room Portfolio Panel, 2020

### State Winner

Pop Up Market Competition, 2019

### Special Mention

Punjab Police Housing Corporation Ltd Competition, 2018

## OTHER PROFESSIONAL EXPERIENCE

### Business & Project Management Consultant

Alliance Service Brands | Michigan, US  
Fall 2025 - Present

Consulting as a graduate student on strategy and operations for a construction/handyman business, creating business plan, SOPs, employee handbook, and marketing playbook to improve efficiency and scalability.

### Research Assistant

FORM Lab | Michigan, US  
Fall 2025 - Present

Developing AI-driven workflows and robotic fabrication methods with bio-based materials for optimized structures.

### Digital Fabrication and Robotics Lab Assistant

Taubman College of Architecture | Ann Arbor, Michigan  
Winter 2025 - Present

Operated and maintained laser cutters and 3D printers, providing technical support, training students in efficient and safety protocols.

### Collaborative Studio Student Participant

Clément Blanchet Architecture | Paris, France  
Summer 2025

Produced drawings and designs for the Venice Biennale, bridging academic research with professional practice and exhibition standards.

### Interior Design and Rendering Consultant

Heusch Studio | Paris, France  
Spring 2022 | Remote

Completed an outsourced project involving interior design, 3D modeling, and rendering for a studio apartment in Paris, France.

### Architectural Volunteer for Social Impact

The Elements | Chandigarh, India  
Summer 2017

Provided free architectural design services to disadvantaged communities, improving housing through sustainable solutions.

## PUBLICATIONS

### Composite Building Materials in Additive Manufacturing

Paper in progress under Profs. Peter von Buelow & Mohsen Vatandoost