

Arpit Malhotra

Architect | BIM | AI Business Integration Strategist | Content Creator

www.arpitmalhotra.com

(734) 496-3532

arpitmal@umich.edu



EDUCATION

University of Michigan Ann Arbor MI, US

Master of Architecture
Expected May 2026

Grad. Certificate in Innovation &
Entrepreneurship
Expected May 2026

Certificate in FARO 3D Scanner
Operations
Expected Dec 2025

Certificate in Generative AI in
Business
Earned May 2025

Chandigarh College of Architecture, India

Bachelor of Architecture
Graduated July 2021

Bachelor of Building Sciences
Graduated 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 Creative 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

Honourable Mention (Top 48)

Archresource Thesis Competition

National Winner

A3 Foundation Photography

All India Shortlisted (Top 4)

CRIT Room Thesis Panel

All India Shortlisted (Top 8)

CRIT Room Portfolio Panel

State Winner

Pop Up Market Competition

Special Mention

Punjab Police Housing Corporation Ltd Competition

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 a 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

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REFERENCES

Professional References

Danny Willaims, AIA Principal Architect dwilliams@ wwarchitecturellc.com (202) 999-4378	Supervisor during my work at WWA, Louisiana where I assisted on adaptive reuse projects, detailing, and construction administration.
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Mohsen Vatandoost, Ph.D. Lecturer mohsensv@umich.edu (734) 936-0223	Independent Study advisor at the University of Michigan, guiding my research on composite materials and additive manufacturing.
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Anthony Brown Ex Design Partner abrown@ dppartnersarchitects.com (202) 288-3716	Former supervisor at dp+ partners, Washington DC oversaw my work on design development, BIM coordination, and consultant collaboration.
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Personal References

Priya Gupta, Ph.D Associate Professor, CCA gpriya2411@gmail.com +91 (977) 945-7272	Professor and mentor during my undergraduate studies, familiar with my design abilities, work ethic, and collaborative approach.
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Anjali Sagar Associate Professor, CCA anjalisagar@gmail.com +91 (981) 136-6666	Undergraduate thesis guide and career mentor, supported my academic growth and professional decision-making; well-acquainted with my leadership, creativity, and problem-solving skills.
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