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CONNECT

EDUCATION

MASTER OF ARCHITECTURE

Herberger Institute for Design and the Arts
ASU, Tempe, AZ (2022-2025)

BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING

Visvesvaraya National Institute of
Technology
Nagpur, MH, India (2018-2022)

SKILLS

CAD

Rhinoceros 3D, Revit, AutoCAD, 3Ds
Max, Grasshopper, Sketchup 3D,
Blender

ADOBE SUITE

Photoshop, InDesign, Illustrator,
Premiere Pro, Aero

RENDER ENGINES

V-ray, Enscape, Unreal Engine, Arnold,
Lumion, D5, Twinmotion

OTHER SOFTWARE

Sefaira, MS Office, Ladybug, StaadPro,
SAP2000, Primavera P6, SOLIDWORKS

PROGRAMMING & TOOLS

C Program, Arduino, VS Code, MATLAB,
Python

DESIGN & ENGINEERING

- Sustainable, Net-Zero & Passive Design (Daylighting, Natural Ventilation)
- Adaptive Reuse, Conservation & Construction Detailing
- Parametric Design & BIM Integration
- Extreme Environment & Resilient Architecture
- Rendering, VR & Physical Modeling

SHUBH AGRAWAL

Assoc. AIA | M.ARCH | B.TECH Civil Engineer

PROFESSIONAL SUMMARY

I'm an architectural designer with an M.Arch from Arizona State University and a B.Tech in Civil Engineering from VNIT. My work spans net-zero buildings, adaptive-reuse projects, and concepts for life in extreme environments. Good design, for me, sits where imagination meets engineering: I rely on BIM, simulation, and advanced materials to shape spaces that look good, stand up, tread lightly, and put people first. I pair bold ideas with clear structural logic to create work that is striking, buildable, and sustainable—from mycelium-regolith skins for lunar habitats to reclaimed precast panels in city retrofits. The goal is simple: future-ready solutions that make daily life better—on Earth or wherever we go next.

WORK EXPERIENCE

Grader, The Design School

Aug 2023 – May 2025

Arizona State University, Tempe, AZ

Evaluated academic work for six architecture-focused courses—including Architecture of Architecture 1 & 2, Revit 1 & 2, Arch Representation, and Adv Arch Representation—by collaborating with Professors Marc Neveau, Scott Murff, and Stephanie Surjan.

Assistant Supervisor

May 2020 – July 2024

Er. Umesh R. Agrawal Consulting Firm, Dhule, MH, India

- Gained hands-on experience in planning, design, estimation, and site supervision for residential, commercial, office, and hospital projects.

Key Projects:

- **Seva Superspeciality Hospital & Critical Center** (May 2020 – Feb 2021)
- **Residential Bungalow of Mr. D R Agrawal** (June 2021 – March 2022)
- **Row House Bungalows** (Feb 2021 – Sept 2021)
- **Commercial Complex – Satyamev Plaza** (Phases: May 2022–Sept 2022; May 2023–July 2023; May 2024–July 2024)
- Produced architectural drawings, renderings, and walkthroughs using AutoCAD, Revit, and V-Ray—several featured in local promotions and used for client approvals.
- Designed 3D views for a residential colony layout (**Plot No. 509, Dhule**), improving stakeholder visualization and planning decisions.
- Represented the firm at **Credai Maharashtra's Mahacon Convention and Study Tour**, strengthening professional networks.

Architectural Intern

June 2021 – July 2021

YSTA Architects, Dhule, India

Developed and refined architectural designs for a residential project, integrating structural, electrical, and plumbing systems while producing detailed plans and 3D visualizations using Revit, AutoCAD, and Enscape.

(References available upon request)