VAIBHAV PANCHAL

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EDUCATION

Carnegie Mellon University   *Pittsburgh, PA*
Master of Advanced Architecture Design   *August 2024 – May 2026*
- Course Highlights: Emerging methods of design and making through architectural design to speculate upon future modes of architectural practice, enhanced construction methods, and material culture within the built environment.

Pillai College of Architecture   *Mumbai, India*
Bachelor of Architecture   *September 2016 – May 2021*
- Course Highlights: Architectural Design, Structures, Climate Responsive Architecture, Building Services, Community Sensitive Architecture.

WORK EXPERIENCE

HOK   *Houston, TX*
Architecture Design Intern   *May 2025 – August 2025*
- Developed architectural solutions for 4 major projects, synthesizing design from SD to DD phases.
- Generated high fidelity Enscape visualizations and 3D models, integrating sustainability workflows while coordinating cross functional deliverables to assure strict adherence to firm standards for large scale urban and healthcare developments.
- Projects: Corporate Campus, Riyad | Healthcare Extension, Kansas | Lobby Interior, Houston | Healthcare Redesign, Houston.

Carnegie Mellon University   *Pittsburgh, PA*
Teaching Assistant   *August 2024 – Dec 2025*
- Supervised technical instruction for a design research seminar focused on ecological material innovation for subjects Shaping Environments and Generative Modelling.
- Mentored students in advanced computational tools, including photogrammetry, AI workflows, and depth map texture modelling, to bridge gap between digital simulation and physical output. Introduced students to core principles of generative modelling and CAD. Designed software intensive labs and hands on modelling projects to build digital fluency and encourage thoughtful engagement with digital media.

Daisaria Associates   *Mumbai, India*
Architectural Professional   *June 2021 – September 2023*
- Led on site coordination for major construction initiatives, serving as primary consultant liaison and supervising three junior staff to maintain timely delivery.
- Spearheaded winning project pitches with innovative concepts and collaborated with fabricators and façade consultants on complex technical drawings to uphold constructability and design integrity.
- Projects: Mixed Use Development, Mumbai | Commercial Building, Pune | Residential Development (2+ yrs), Powai.

HONORS AND AWARDS

Carnegie Mellon Architecture Merit Scholarship
- Awarded a merit-based admission in the amount of $20,000 to offset the cost of tuition.

Jury Commendation – Indian West Region | *National Architectural Competition*
- Work Treat, 2020 - Western Regional commendation for Transparence 15.0 - Ethos (Academic) Click Here

TOP 50 | *International Architectural Competition*
- Women's Pavilion 2021 - Volume Zero (Daisaria Associates) Click Here

AD Publication | *International Architectural Competition*
- Mount Casa - A winning entry for project, amongst 750+ architects (Daisaria Associates) Click Here

SOFTWARE AND SKILLS

Architecture and Design Software: Rhino, Revit, Grasshopper, GH Python, AutoCAD, Adobe Suite, Enscape, D5 Render, Twinmotion, Form, QGIS, Climate Studio, Bluebeam, Microsoft Office, Yulio

Architectural Skills: Architectural Robotics, Bio Material Explorations, Generative and AI Modelling, Computational Modelling, Rhino Sub-D, Environmental Analysis, 3D Printing, CNC, Laser Cutting, Mold Making, Teamwork, Technical Drawings, Client and Pitch Presentation, Consultant Coordination, BIM Modelling, Architectural Visualizations.

CERTIFICATIONS AND LICENSES

- **Registered Architect License** | Council of Architecture India, Credential ID CA/2022/145419
- **Site Planning, Online certification** | MITx
- **Application of BIM, Revit Architecture certification** | Elephant Creations