

VANSHIKA BHAIYA

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[LinkedIn/profile](#)
[portfolio](#)

EDUCATION

CARNEGIE MELLON
UNIVERSITY, PITTSBURGH
Bachelor of Architecture | Minor in
Environmental and Sustainability
Studies – May 2025
CQPA – 3.92/4

Dean's List: Fall 2020, Spring 2021,
Fall 2021, Spring 2022, Fall 2022,
Spring 2023, Fall 2023, Fall 2024

Relevant Coursework:

Commoning the City Studio
Design Build Studio
Materials Regeneration
Emerging Ecological Worldview
Indigenous Knowledge and
Biodiversity Conversation
Architecture and Agency

INSTITUTE FOR ADVANCED
ARCHITECTURE OF CATALONIA,
BARCELONA, SPAIN
Study Abroad – Spring 2024

CEPT UNIVERSITY, INDIA
Summer Semester – Summer 2022

SKILLS

| SOFTWARE | FABRICATION |
|----------------|------------------|
| Rhinoceros | Wood Shop |
| Vray | Metal Shop |
| Revit | Laser Cutting |
| Enscape | CNC Routing |
| Grasshopper | 3D Printing |
| Climate Studio | Vacuum |
| Bluebeam | Forming |
| Adobe Suites | Hand Tools |
| AutoCAD | Drawing |
| Microsoft | Painting |
| Office | Digital & Analog |
| Midjourney | Photography |

PROFESSIONAL EXPERIENCE

DESIGNLAB ARCHITECTS, BOSTON

Intern – June 2024 - August 2024

- Conducted research for 'Designing for Neurodiversity' project; this developed the firm's framework on inclusive design for all projects
- Spearheaded the concept research for an art museum; illustrated campus maps; developed renders and diagrams for 3 RFQs

DESIGNGROUP, PITTSBURGH

Intern – June 2023 - August 2023

- Created diagrams for a university space optimization study; and produced documents for pre-bid meetings for a facade renovation
- Completed conceptual renders using Revit and Enscape for a university library space to help raise funds through donations

ARCHSHOP, CMU + DFAB, CMU

Shop Monitor – Fall 2022 - Present; dFab Monitor – Fall 2023 - Present

- Supervise shop activity, guide students with fabrication, facilitate interdisciplinary thinking, and maintain shop machines and workplaces

MAWI DESIGN, CHENNAI, INDIA

Intern – July 2022 - August 2022

- Resolved the parametric design aspect of an office using Grasshopper

TEACHING ASSISTANT, CMU

Urbanism and the Social Production of Space – Present;

Materials & Assembly – Fall 2022; Drawing I + Digital Media I – Fall 2021

- Assisted Professors Jongwan Kwon, Gerard Damiani, Doug Cooper, and Matthew Huber by working with a group of 10-15 students to improve their skills, conduct help sessions, and grade assignments

ACADEMIC EXPERIENCE

ARCHITECTURAL CRAFTS COLLECTIVE, CMU

Treasurer – Spring 2023 - Present

- Maintained a financial record of the club's expenditures, presented a budget for the academic year, and ideated various methods of funding

SPRING PAVILION, NOMAS, CMU

Designer – Spring 2023; Fabrication Team Member – Spring 2022

- Collaborated to design a low-carbon temporal bamboo structure
- Fabricated the foundations using discarded materials; led a team of 25 to assemble the structure in 3 days; directed its disassembly in 6 hours

AWARDS AND HONORS

ALWIN CASSENS, JR. MEMORIAL FUND IN ARCHITECTURE

"Urban Intelligence at the Biennale" – Fall 2024

MAPS SCHOLARSHIP, MINORITY ARCHITECTS OF PITTSBURGH

Recipient – Fall 2024, Fall 2023

BURDETT ASSISTANTSHIP AWARD, CMU

"Identifying Flood Resistant Construction Techniques and Material Application in Southeast Asian Vernacular Architecture" – Fall 2022