VAIDEHI GHAG

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EDUCATION

- **Master of Science in Sustainable Design |** Thomas Jefferson University, PA, USA **|** GPA: 4.0 **| AUG 2022 – MAY 2024**
  - Tau Sigma National Honor Society Member in Architecture and Allied Arts 2023-24
- **Bachelor of Architecture |** University of Mumbai, Mumbai, INDIA **|** GPA: 3.2 **| JUN 2014 – APR 2019**

TECHNICAL SKILLS

- **Construction Software:** Autodesk AutoCAD, Autodesk Revit
- **3D Modeling:** SketchUp, Rhino 3D, Grasshopper
- **Rendering:** Lumion 3D, Enscape
- **Energy Modeling:** Ladybug, Sefaira, Autodesk Insight, Building Information Modeling (BIM)
- **Architectural Graphics:** Adobe Creative Suite, Adobe Photoshop, Adobe Illustrator, Adobe InDesign

LICENSES AND CERTIFICATIONS

- **Certifications:** LEED Green Associate 2024, Fitwel Ambassador, ActiveScore AP, Green Globes Emerging Professional (GGEP)
- **License:** Registered Architect Council of Architecture (COA), INDIA
- **Memberships:** Associate AIA, PHIUS Alliance Member (2024), Health and Wellness Badge (USGBC)

PROFESSIONAL EXPERIENCE

Junior Architect | PGAG Architects, Mumbai, INDIA **| JAN 2022 – JUL 2022**

- Developed detailed architectural design drawings and construction documents, including plans, elevations, and sections using AutoCAD for 2 entertainment malls across India
- Produced 20 floor plan layouts for mall interiors, including furniture, ceiling/lighting, and flooring layouts. Integrated acoustic elements like ceiling/wall panels and detailed acoustic wall sections with cove lighting for improved sound and aesthetics
- Performed building code analysis for a 100,000 sq. ft. mall project, developing 300 parking spaces per sq. ft. of gross leasable area
- Adopted green space requirements within zoning regulations and incorporated 30% of the site area for landscaping and managing stormwater runoff by allowing water to soak into the ground and reducing drainage system load by 45%

Designer - Architecture and Interior | Pooja Construction Co, Mumbai, INDIA **| JAN 2020 – NOV 2021**

- Remodeled 8 residential apartments ranging from 700 to 1500 sq ft, aiming to significantly enhance the value of properties, making them more appealing to potential buyers and renters
- Transformed these spaces through intricate interior design, ensuring the outcome aligned with client vision and market trends by coordinating with contractors, vendors, and engineers while managing multiple project timelines and deliverables
- Created detailed design proposals, schematic and construction drawings, interior finish plans, material specifications, and 3D renderings using AutoCAD and SketchUp
- Resulted remodeling significantly increased market value of apartments, attracting higher interest from buyers and renters, increasing client satisfaction by 30%

Intern Architectural Designer | PGAG Architects, Mumbai, INDIA **| NOV 2017 – MAY 2018**

- Optimized a 35,000 sq. ft cinema hall by maximizing available carpet area and floor height to increase space utilization by 60%
- Designed 5 distinct multi-screen theaters, each with a seating capacity of 1,000 to 1,200, by developing detailed floor plans that catered to diverse audience preferences and optimized the viewing experience for large-scale, high-budget productions
- Designed food courts averaging 1,200 sq. ft. to accommodate up to 100 people, prioritizing social interaction by incorporating a variety of seating arrangements such as group tables, high-top seating, and communal tables
- Integrated 4 retail spaces with an average size of 1500 sq. ft by designing its entrance and strategically placed common areas like restrooms and loading dock, increasing store capacity and improving customer accessibility by 25%

ACADEMIC PROJECT

The Adaptive Reuse of the 33rd Street Railroad Bridge, Pittsburgh, PA | Thomas Jefferson University, PA **| AUG 2023 – MAY 2024**

- Authored design thesis on revitalizing Pittsburgh's abandoned 33rd Street Railroad Bridge into a vibrant public park based on sustainable design principles, fostering community engagement and promoting resident well-being
- Forecasted a 70% increase in footfall by incorporating features like accessible pathways, ramps, and inclusive play areas with particular attention to the varied needs of children, older people, and persons with disabilities
- Conceptualized the park to be environmentally sustainable by implementing on-site energy, reducing carbon emissions, harvesting rainwater, and planting native species
- Utilized the SITES rating system as the design basis, achieving the Platinum certification level for environmental excellence through integrating a solar lighting system and passive design strategies