

SAYALI LAMNE LEED AP® BD + C

(412)-980- 1140 | sayali03lamne@gmail.com | www.linkedin.com/in/arslamne | [Design Portfolio](#) | [Personal Website](#)

EDUCATION

- **Master of Science in Sustainable Design (MSSD)** | GPA: 4.00/4.00 Aug 2021 - May 2023
Carnegie Mellon University, Pittsburgh, PA
Relevant Courses: Environmental & Building Performance Simulation, Fundamentals of Programming & Computer Science, HVAC & Power Supply for Low-Carbon Buildings, Scripting & Parametric Design, Shaping Daylight through Simulation an Virtual Reality, Sustainable Materials & Business Operations
- **Bachelor of Architecture** | GPA: 3.50/4.00 Jul 2013 - Mar 2018
Rachana Sansad's Academy of Architecture, Mumbai, India

LICENSES & CREDENTIALS

- LEED AP Building Design + Construction & LEED Green Associate (Green Business Certification Inc. GBCI) Aug 2022 - Aug 2024
- Council of Architects - India (Licensed Architect) Mar 2019

SKILLS

- **Software:** Rhino, Grasshopper, Ladybug, Climate Studio, EnergyPlus, eQuest, IES-VE, Open Studio, One Click LCA, Enscape, DesignBuilder, Climate Consultant, HOMERGrid, Google SketchUp, V-ray, Autodesk (AutoCAD, Revit, BIM, Dynamo, Navisworks), Adobe (Photoshop, InDesign, Illustrator, Lightroom)
- **Programming Languages:** GhPython, Python, SQL

PROFESSIONAL EXPERIENCE

Research Assistant - Center for Building Performance and Diagnostics | Prof. Vivian Loftness | CMU Jan 2022 - May 2023

- Devised a set of data-driven recommendations to achieve goal of net-zero carbon by 2050 in built environment and contributed to the report for NAS (National Academy of Sciences)
- Analyzed databases and reports from NREL, ACEEE, DOE, EPA, EIA, RMI, NBI, RECS, and CBECs to understand and estimate the quantitative potential of Renewable Energy (RE), Grid Efficiency, District Energy Management Systems, and Grid-Interactive Efficient Building (GEBs).
- Evaluated discrepancies & proposed innovative & cost-effective strategies to adopt rooftop Residential, Commercial, and Community Solar, and various Energy Storage Systems.
- Recommended improvements in policies for implementation of RE by analyzing investment and funding opportunities from the Infrastructure Investment and Jobs Act (IIJA) and Inflation Reduction Act (IRA) benefiting all the stakeholders & expedite the decision making process.

Research Assistant - CRuMBLE Material Research | Prof. Dana Cupkova | CMU May 2022 - Aug 2022

- Conducted experimental research on different samples of Asphalt recovered from waste of Asphalt shingles with variations in binders & evaluated for compressive strength.
- Illustrated comparative analysis and potential impacts of reusing material in reducing carbon footprint & benefiting circular economy.

Assistant Architect - Samir Chinai Associates, Mumbai, India May 2019 - May 2021

- Constructed G.F.C., technical details, and working drawings for **Salsette 27- a Platinum Pre-certified (by IGBC-Indian Green Building Council) high-rise residential project** entirely developed using platform of **BIM (LOD -3)**.
- Initiated **paint scheme for entire Project**.
- Produced 3-D visualizations & presentations, generated **Clash Detection Reports using Navisworks and managed integrated models**.
- Coordinated with site & consultants. Collaborated with team on **BIM 360**.
- Brainstormed massing strategies and shaped building block options for Palm Beach, Mumbai - a high-rise residential project.
- Drafted interior design layouts for a pet shop in Mumbai, revamped BOQs, & flooring layouts for turnkey projects.

Revit Tutor (Freelance) Mumbai, India May 2019 - Jul 2021

- Spearheaded a course to build skills in 3D visualization, browser organization, massing, parametric modeling, shadow analysis, generating working drawings & building families, managing Integrated Models, and rendering using Revit as a tool & mentored trainees

Design Intern - Ideas Beyond Architecture (IBA), Mumbai, India Nov 2016 - Feb 2017

- Drafted working drawings, Good for Construction (GFC), and architectural layouts for NESCO IT Park in Mumbai, Lotus resort in Jaipur and Lavasa cities. Revamped Master Plans.
- Designed and planned interior design layouts for a commercial building of JLL Real Estate Company.
- Conceptualized & developed facade and lobby Designs to refurbish the existing building of the NESCO IT Park and an office building in Thane.
- Fabricated interior design layouts for Old Bailey's Cafe', Mumbai

Lead Photographer (Architectural | Event | Modeling) - Open Bracket, T.H.O.T.P.O.T. & Freelance, Mumbai Feb 2017 - July 2021

- Accomplished 20+ photography assignments small-scale modeling Photo-shoots for several brands to large-scale events such as weddings.
- Designed customized digital photo albums & ensured a satisfied clientele.
- Established a team of 5 including cinematographers & other photographers. Led Marketing, Management, & Sales to provide a holistic output.

COMPETITIONS & AWARDS

- Solar Decathlon, 2022-2023
- **1st Rank in India** in Volume Zero Urban Design, 2018
- **Top 10 at International level** in G-Sen Urban Design by NASA (National Association of Students of Architecture), 2014

WORKSHOPS & CONFERENCES

- 'Sustainable Building Design' by Oneistox| Learning Experiences, 2020
- Earthen Architecture' & 'Sustainable Water Management' by Auroville, 2020
- 'Wall Art Project' by State Gov. of Maharashtra at Bhilar for India's First Village of Books, 2016