TIRTH DALAL

Cornell AAP, NY, USA | tvd26@cornell.edu | (+1) 781 323 0923

EDUCATION

2024-2025 **Cornell University | College of Architecture, Art, and Planning | Ithaca, NY, United States**
Master of Science in Advanced Architectural Design : With a concentration in **Urbanism**
- **Territory of Investigation:** Data Centric Design- Understanding and mapping human behavior and tendencies to enhance our design outlook and urban spaces to create more experiential, livable, and workable spaces

2018-2023 **NMIMS University | Balwant Sheth School of Architecture (BSSA) | Mumbai, MH, India**
Bachelor in Architecture
- **Thesis:** Codified Module of a City : A walkable, parametric module considering parameters of a design promoting sustainable living, modular adaptability, and optimized urban design efficiency

SKILL SET

- Adobe Suite (Photoshop, Illustrator, Indesign, Premier Pro)
- Architectural Visualization and Illustrations (Lumion, Ensacpe, V-ray, D5, Midjourney, Stable Diffusion)
- Autodesk AutoCad
- Autodesk Revit
- GIS data mapping and visualization.
- Model Making with a multitude of fabrication techniques.
- Rhinoceros 3d, Grasshopper

PROFESSIONAL EXPERIENCE

Office Of University Architect, Cornell University | Internship | Ithaca, NY, USA |August 2024 - Present

Roles and Responsibilities
- Developed detailed BIM models in Revit by converting existing building documentation and proposed plans into comprehensive, presentation-ready digital assets, facilitating better visualization and streamlined project execution.
- Collaborate with Project and Associate University Architects on campus planning and design projects, providing support with graphic and narrative materials for presentations and approvals.
- Assist in the preparation of planning documents for a range of projects, from major developments to smaller renovations.
- Hands-on experience in campus architecture and design, contributing to project workflows at a major research institution.

tRUST Lab Initiative, Cornell University | Research Assitant | Ithaca, NY, USA |August 2024 - Present

Roles and Responsibilities
- Conduct case study research and contextual site analysis for Cleveland's Site Readiness Fund, focusing on industrial place-making and housing opportunities.
- Designed analytical maps, drawings an diagrams for urban redevelopment projects, collaborating with project partners.
- Prepared presentations and reports, delivering insights and ideas for revitalization projects accross Cleveland.

Sarjan Architects | Architectural Associate | Surat, India |September 2023 - May 2024

Selected Projects

Akriti Township, Billimora, Gujarat, India - *Residential township with diverse facilities 26.11 acres (105,676.54 m^2)*
- Co-led the design, planning and development of Akriti Township, a comprehensive residential community in Billimora, a key location for the first bullet train station in India (Team of 4)
- Secured necessary government approvals and finalized planning and secured necessary government approvals
- Responsible for developing and presenting site studies, urban planning and design proposals, and detailed drawings for government approvals
- Delivered the complete design for the entire township within a deadline of 3 months, encompassing site studies, presentations, planning, individual residence and commercial design, client approval and government approval drawings.

Seafarer Building, Kandla Port, India - *3 Storey Maritime Mixed Use Building, utility area 41,979 ft^2 (3,900 m^2)*
- Led the research and development of a multi-functional Seafarer Building for the Government of India (Team of 3)
- Secured the public tender while outperforming mutiple nationally recognized architecture firms in the design competition.
- Conducted research, developed schematic designs, and managed client approvals and communications.
- Designed and developed the complete set of site studies, presentations, renderings, sections, facade details, interior details and provide green building features to facilitate possible Green Building (GRIHA) certification all within the prescribed time limit of 50 days.

Expanded Roles and Responsibilities
- Created project portfolio for the firm to improve client outreach and showcase project capabilities.
- Participated in the tender department by researching, finding, and filling out tenders with all required data.

C.D.A. Architects| Junior / Intern Architect | Delhi, India | March 2023 - August 2023

Selected Projects

Nanavati Hospital, Mumbai, India - *600 Bedded multispecialty hospital expansion, utility area 621,636.43 ft² (57,748 m²)*
- Design Associate, for the ongoing expansion project of Nanavati Super Speciality Hospital in the heart of Mumbai (Team of 4)
- Responsible for redeveloping facade and reconfiguration plans accordingly, approvals from Atomic Energy Regulatory Board of India and detailed drawings for site and MEP coordination
- Coordinated closely with site engineers, MEP consultants and AERB, to ensure seamless integration of new systems

Batra Hospital and Medical College, New Delhi, India- 800 Bedded multispecialty hospital and medical college development, utility area 710,418 ft² (66,000 m²)
- Design Associate for the expansion of Batra Hospital and Medical College (Team of 4).
- Redeveloped a century-old housing into a premier 800-bed hospital and a new medical college.
- Conducted research, site diagrams, client presentations, climate study, space planning and site design
- Delivered the complete design submission within the prescribed time limit of 40 days.
- Won the design competition and were awarded the $80 million project.

Amar Hospital, Patiala, India - 150 Bed Cancer Speciality hospital, utility area 73,178 ft² (6,798 m²)
- Design Lead and Site Coordinator for the new 150-bed cancer specialty wing at Amar Hospital (Team of 2).
- Led the re-planning and reconfiguration after structural changes on-site.
- Redesigned the entire planning framework, reconfigured project layouts, and collaborated closely with MEP teams.
- Responsible for planning, redesign, facade rework, sections, interior details, and RCP.

Sarjan Architects | Intern Architect | Surat, India | May 2022 - Aug 2022

Roles and Responsibilities

- Coordinated diverse projects with a focus on government competitions and boutique residences.
- Collaborated with structural and MEP consultants, honing coordination skills.
- Designed the set of interiors for a 3 bhk house.
- Part of iniatives for that involved the urban development authority of Surat.

QUALIFICATION

Licensed Architect - Council of Architecture, India (COA Registration : CA/2023/163029)

WORKSHOPS AND EXHIBITIONS

- Conducted a dynamic 'Post-Production in Architecture ' Workshop, guiding participants through advanced techniques and tools in editing and enhancing visual content in architecture through a multitude of softwares.
- Drawing inspiration from stomata and the principles of biomimicry, a uniquely designed Installation that was created and showcased at the Festival of Architecture and Interior Designing (FOAID) exhibit in BKC Mumbai

ACTIVITIES

- Elected Media Head and representative for the Student Council year 2022 at Balwant sheth School of Archtecture
- NMIMS University council member representating B.Arch Cohort at various events and programs
- Co-led logistics, planning and coordination for Mini Max Pavillion Competition for the year 2022 at BSSA Mumbai
- Organised various workshops and networking events for undergraduates and alumni
- Volunteered to provide architectural services to a Hospital serving the Under privaleged in India
- Attended CEPT summer school on hypermodern architecture taught by Thomas E. Mical

AWARDS

- Directors Award and Grant at Cornell University for Academic Year 2024-25
- Finalists And Editors Choice Awards for 'Human Mission to Mars H.M.M.' international competition help by MOOArch in 2021

INTEREST AREAS

Data controlled Design | Hypermodern Architecture | Urbanism| Ecology | Computational Design | Data Mapping

ADDITIONAL SKILLSET

General	• Advanced proficiency in Google workspace • Advanced proficiency in Microsoft office suite
Language	• Fluent in English • Native in Hindi and regional Language Gujarati