Vishva Rathod
| LEED Green Associate | PMP |
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EDUCATION

Master of Science in Architectural, Urban and Regional Design   **New York City, NY, USA**
New York Institute of Technology   2021 - 2022
Relevant Coursework: Community Outreach, Urban Planning, Urban Climate Analysis, International Planning, Economic Development, Real Estate Development, Public Policy Analysis, Environmental Planning, Climate Resilience, Environmental Impact Analysis.

Bachelor of Urban Planning   **Ahmedabad, GJ, India**
Nirma University   2017 - 2021
Relevant Coursework: Demography And Urbanization, GIS and Remote Sensing, Governance and Policies Analysis, Transportation Planning, Network Analysis, Affordable Housing, Neighborhood Planning Regional Planning, Zoning Regulation, Sustainability Planning, Infrastructure Planning, Land Use Planning, Policy Development, Feasibility Study.

PROFESSIONAL EXPERIENCE

Cumberland County Government.   **North Carolina, USA**
Planner III/ Senior Planner   Sep 2024 – Present
- Provide guidance on zoning and subdivision regulation, interpreting and reviewing development plans for regulatory compliance with the local and state ordinance with providing community-based planning and host events for public participation and feedback.
- Served as a Zoning Planner, Watershed Review Officer, Plat Review Officer, Intake Planner for Town of Spring Lake. Chairing the Development Review Committee and prepare transmittals. Provide land Use recommendation to Comprehensive planning team and serve as Acting Current Planning Manager during managerial absence.
- Provide technical support, information, and guidance to property owners, developers, and other stakeholders to discuss and resolve planning and development concerns. Worked on Special Use Permits, Variances, Quasi-Judicial BOA Cases, Site Plans, Subdivisions, and Rezonings ranging from approx. 1 Acre to 200 Acers of land. GIS Mapping, FEMA Flood Plain analysis and mapping.
- Evaluate applicable codes, polices, law and prepare and make oral presentations to the Board at Municipal Board Meetings, and navigating the approval process for development projects. Prepared Conditions of Approval reports and determined Conditions for conditional zoning cases.
- Provide business opportunity recommendations, economic development and policy recommendation and represent planning team on Fayetteville Area Metropolitan Planning Organization (FAMPO) Transportation advisory committee.

Skills Acquired: Project Management, Site Planning, Municipal Board Meeting Presentations and meeting minutes, Preparing Technical Memos, maps and graphics, Stakeholder Engagement, Policy Development, Research, Evaluate Facts and Findings, Determining Potential threats and development issues, Organizational and Interpersonal skills, Leadership

GZA GeoEnvironmental INC.   **Northern New Jersey, USA**
Planner II, Environmental Planner   Aug 2023 – May 2024
- Experienced in zoning, policies, and permits for urban redevelopment projects. Managed multiple rezoning, BSA and few special permits, school and dispositioning permits ensuring zoning compliance. Played a key role in sustainable land development initiatives and policy implementation by generating Environmental Assessment Statement (EAS) reviewing CEQR/CEQA/NEPA technically manual.
- Experienced in community engagement for projects ranging from 160,000 to 200,000 sf, conducting Reasonable Worst Case Development Scenario (RWCDS) Analysis and cartography. Skilled in managing EAS Short forms and full forms and involving key stakeholders for project planning and execution. Collaborated with DCP, DPR, DOT, BSA, HDP, and LPC to ensure successful project outcomes.
- Experience with traffic and transportation planning and evaluating travel origin and destination and assignment of traffic based on census data.
- Applying public policy directives to urban planning projects. Was a part ProvPort Master Plan RFP, RI and City of Yes Housing Opportunity public policy integration and zoning amendments, ensuring alignment with environmental, social, and economic objectives.

Skills Acquired: CEQR/CEQA/NEPA Review, Trip Generation, Shadow Analysis, Noise Monitoring, Urban Design, EIS/EAS, Develop Maps, Master planning, Public – Private partnership

RAVEN Architecture + Urban Design, LLC   **New York City, USA**
Urban Design Coordinator, Research Assistant   Aug 2022 – Aug 2023
- Collaborated with National Science Foundation (NSF) and NASA Goddard to project Land Surface Temperature for 2050 and implemented supply chain management to address climate action, affordability and availability issues in food and housing and designed prototype to target carbon footprint with climate resilient morphologies for high-density districts to address green infrastructure, mobility, and housing needs in various zones.

Skills Acquired: Supply Chain, Economic Mobility, Green Infrastructure, Space Design, Spatial & Risk Analysis, Geospatial Analysis.

Krishna Environ Engineers Ltd.   **Ahmedabad, India**
Research Assistant   Aug 2020 – Jun 2021
- Worked on rural infrastructure management, adept at conducting research and analysis to develop reports on community revitalization strategies. Skilled in facilitating public involvement processes and identifying needs based on population and economic trends.

Skills Acquired: Public Outreach, Financial Planning, Infrastructure Planning, Public Engagement, Budget Management.

Infinity Infra (ISO Certified)   **Ahmedabad, India**
Planner I   Apr 2020 – Jun 2020
- Researched and analyzed land use distribution for project development, utilizing GIS tools and databases. Assessed residential, commercial, and industrial properties to determine investment guidelines and compliance with zoning regulations.
  Skills Acquired: Land Valuation Management and Land Rates, Site Suitability Analysis, Data Visualization, Public Private Partnership.

TATA Consulting Engineers Ltd.   **Gandhinagar**, **India**
Planning Intern   May 2019 – Jun 2019
- Cost estimation, budget and policy framework for smart city infrastructure, developing a prototype for pedestrian network and road landscaping.
  Skills Acquired: Infrastructure Demand Analysis, Network Analysis, Design of Public Space and Landscaping, Urban Renewal.

SKILLS AND CERTIFICATION

Technical: Microsoft Office Suite, Adobe Creative Suite, ArcGIS, City Engine, SketchUp, Google Engine, AutoCAD, AutoMap, Rhino (Grasshopper, Ladybug), Midjourney, Lumion & QGIS, Revit, Python, MapInfo, Geo-Server, Google Earth, VISSIM, PostGIS, ZoLa, ZAP.

Soft skills: Project management, Research and data analysis, Problem-Solving, Critical Thinking, Analytical Reasoning, Creative, Budgeting and Project Setup, Cost estimation, Coordinate with local government and agency, Generating reports and statement.

Area of interest: Sustainable & Environmental development, Community Development, Infrastructure development, Land use planning, Transportation, Housing, Regional Planning and policies, Historic preservation, Rezoning and redevelopment, Economic development.

Online Courses and Certificates: PMP (Project Management Professional), LEED Green Associate, UT GIS Certified Course, UT Rhinoceros (Grasshopper), AutoCAD Advanced.

ACHIEVEMENTS & PUBLICATIONS

- "Assessing Impact of Urban Heat Islands and Mitigation Strategies Using GIS", International Journal of Science and Research (IJSR), Volume 14 Issue 2, February 2025, pp. 1873-1877, DOI: https://www.ijsr.net/archive/v14i2/SR25027113551.pdf

- "AI Driven Urban Planning for Real Time Traffic Monitoring Framework Using OpenCV and YOLO" Journal of Information Systems Engineering and Management, Volume 10 Issue 33, February 2025, pp. 1056-1067, DOI: https://doi.org/10.52783/jisem.v10i33s.5765

- "Empowering Sustainable Urban Development: Big Data and Ai for Improved Policy Usability" Scopus, Volume 29 Issue 04, October 2023, DOI: https://doi.org/10.53555/kuey.v29i4.9863

- "Designing Tomorrow: Rethinking Urban Planning for Resilient Cities", International Journal of Urban and Regional Planning Research and Development (IJURPRD), Volume 3 Issue 2, July 2025, pp. 1-19, DOI: https://lnkd.in/ehhjPBxX

- Guest Speaker, Nirma University (2025)

  Deliver a talk on Urban Design Trends, innovations, and impact of Urban heat Islands and the mitigation strategies. Role of AI in transforming the urban design sector.