Avinash Behara



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SUMMARY

I am an urban planner with an architectural background, currently pursuing a Master's in Urban Infrastructure Planning at CEPT University. My academic and research focus lies in urban systems particularly water resources and supply, solid waste management, and climate-responsive planning where I work at the intersection of infrastructure, governance, and sustainability. I bring over three years of professional experience in Geomatics and BIM, specializing in point cloud technology, 3D laser scanning, and photogrammetry, which has strengthened my ability to integrate advanced spatial data into planning and decision-making. Beyond technical expertise, I have developed skills in project management, client coordination, and stakeholder engagement. My vision is to leverage both planning insights and technological tools to shape resilient, inclusive, and future-ready urban environments.

EXPERIENCE

Clove Technologies Pvt. Ltd., Visakhapatnam
Architect (25 Months, 2022-2024).
At Clove Tech, I lead R&D projects focused on point cloud technology, working with advanced software such as Revit, ArcGIS Pro, SketchUp and AutoCAD. I've worked extensively in Geomatics and BIM, handling tools like point clouds, 3D laser scanning, and photogrammetry to support data-driven planning solutions. I've been involved in projects related to infrastructure and utility mapping, as well as rail and road networking using platforms like Bentley. I've also explored other software like Allplan and BricsCAD. My expertise lies in 3D modeling and translating complex spatial data into actionable insights. I manage teams, coordinate with clients, and support in-house startups, blending innovation with urban planning and strategic growth.

Aishwaryam Interiors, Hyderabad.
Jr. Architect (10 Months, 2021-2022).
Aishwaryam Interiors is a startup firm focused on architectural and interior projects. As a fresher, I contributed as a designer on a variety of projects including landscape design, interior spaces, and resort developments. I was actively involved in client interactions, helping translate their ideas into functional design concepts. I also took part in initial site supervisions, gaining practical exposure to on-ground execution and the early stages of project management in a startup environment.

INTERNSHIP

Faculty of Planning, CEPT University (Under Prod. Anil Roy)
Research Intern (May 2025 - July 2025)
Worked on an ICSSR-funded project integrating circular economy (CE) principles into urban solid waste management (SWM) in Ahmedabad. Contributed to the City Profile: Ahmedabad by analyzing existing SWM systems, governance structures, and opportunities for circular integration. Played a key role in a bibliometric review article, "Circularity in Solid Waste Management in BRICS Countries," examining research trends, policy gaps, and international comparisons. Responsibilities included reviewing CE and SWM frameworks, analyzing policy documents, studying best-practice case models, and developing structured survey tools. Fieldwork involved mapping Material Recovery Facilities (MRFs), engaging with stakeholders across the waste value chain, and identifying systemic inefficiencies to propose strategic recommendations for sustainable and inclusive waste management.

Aantrik Architects & Interiors, Bengaluru.
Intern (4 Months, 2020).
At Aantrik, I worked as an intern for four months, where I contributed to architectural and interior design projects, customized furniture design, and client engagement. I also supported the sales team, helping to communicate design concepts effectively and align them with client needs. This experience strengthened my design thinking, client interaction skills, and ability to adapt to multidisciplinary workflows.

EDUCATION

Master of Urban Infrastructure Planning (2024 – 2026 ** Currently Pursuing*)
CEPT University | Sem I G. P. A. – 3.00 / 5.00 | Sem II G. P. A. – 3.50 / 5.00

Bachelor of Architecture (2016-2021)
Lovely Professional University | C. G. P. A. – 6.97 / 10.00

Board – 12th (2012)
Sri Chaitanya Junior College | Percentage – 90 %

Board – 10th (2010)
Sri Chaitanya School | Percentage – 95%

SOFTWARE SKILLS

- Autodesk AutoCAD, SketchUp
- Microsoft Office Suite (Excel, PowerPoint, Word)
- ArcGIS Pro (for urban mobility analysis)
- Adobe Photoshop, Adobe Illustrator, Adobe Indesign (for presentation and reports)

AREA OF INTEREST

My interest lies in municipal finance and its role in shaping sustainable and efficient urban infrastructure. Through my completed pilot project on carbon credits in solid waste management, I gained insights into financial mechanisms that integrate environmental and economic value. Alongside finance, I am drawn to projects addressing urban mobility, public service delivery, and climate-responsive planning. My goal is to contribute to resilient, inclusive, and adaptable urban development that not only supports future growth but also enhances the quality of life for all communities.

PRIME ACADEMIC PROJECTS

1. **Understanding the city – Bopal (M.Planning 2024-26,):** I conducted an urban study of Bopal, Ahmedabad, focusing on its development as a peri-urban area. This experience significantly influenced my perspective on urbanization, highlighting the challenges and opportunities that arise at the urban fringe. I analysed factors such as infrastructure growth, land use changes, and community dynamics, which enhanced my understanding of sustainable urban planning.
2. **City Infrastructural Planning – Surat (M.Planning, 2024-26):** As part of the City Infrastructure Planning studio, I focused on Solid Waste Management under the broader WASH (Water, Sanitation, and Hygiene) framework. The project involved a detailed analysis of Surat's existing SWM infrastructure, evaluating the current demand and supply, and projecting future waste generation for 2035, 2041, and 2047. The study aligned with the Viksit Bharat vision to propose sustainable, inclusive urban infrastructure solutions.
   Additionally, I developed a pilot project on carbon credits in Municipal Solid Waste Management (MSWM), creating an Emission Quantification and Carbon Credit Revenue Estimation Toolkit and proposing institutional mapping strategies to integrate carbon credit mechanisms into the city's SWM framework, linking sustainability with financial viability.
3. **Infrastructure Project Studio – Rajkot (M.Planning, 2024–26):** Currently focusing on the Water Resources and Supply sector, analysing existing systems, challenges, and governance to propose resilient and sustainable strategies for Rajkot's future water security.

CONFERENCES ATTENDED

- GeoSmart India, 2023, Hyderabad
- Urban Transport in India Conference, 2024
- Global South Academic Conclave, 2025
- IASSI Conference, 2025 (Upcoming)

ACHIEVEMENTS

- Going to present my paper on the topic '**Mapping Circular Economy and Solid Waste Management Research in BRICS: A Bibliometric Review'** at the IASSI conference 2025, at Doon University

PROFESSIONAL SKILLS

- Public Speaking & Presentations
- Urban Data Analysis & GIS Mapping
- Research & Report Writing
- Creative Visualization for Planning Strategies

PERSONAL DETAILS

Date of Birth: 11th December 1998
Languages: English | Hindi | Telugu
Nationality: INDIAN

DECLARATION

I hereby declare that the above-mentioned details in this resume are true, complete and correct to the best of my knowledge and belief.

PLACE: Ahmedabad, Gujarat

Behara Avinash Salman Raj

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