

CURRICULUM VITAE (CV)

Karthikeyan Baskar

Architect, Urban Planner



ABOUT ME

For as long as I can remember, I've been keenly interested in cities, maps, and design. I'm fascinated with Urban Planning/design and I'm very interested in how to increase the accessibility and livability of urban spaces to improve the quality of our cities. My interest began with sustainability and it has evolved over time to integrate Urban planning and urban design as all three topics are important and interconnected elements when planning for the future of cities.

REFERENCES

Ar. Karan Barpete

Assistant Professor (Urban Planning

Contact No: 9424415214

Email: karanbarpete@spa.ac.in

Ar. Ravikumar Narayan,

Principal Landscape Architect

Ravikumar & Associates, Chennai

Contact No: 9841536770

Email:

raa@ravikumarassociates.net

LANGUAGE

Tamil, English & Hindi(basic)

Country Experience: India,

Bangladesh, Nepal

Contact No.: +91 7708225883

Email Id: bkarthiarch@gmail.com

ADDRESS

EXPERIENCE (5 Years 10 months)

Jan, 2026 – till date

Assistant Manager – Research & Marketing

Magic bricks (Times of India Group)

Real Estate Research and Marketing

- Developed a sustainability-focused real estate research study analyzing the impact of environmental stressors (AQI, heat) on rents, occupancy, and cap rates, and evaluating the market performance of green-certified buildings.

Jun, 2023 – Jan 2026 (2 years 8 months)

Senior Associate/Assistant Manager

PricewaterhouseCoopers (PwC)

Capital Projects & Infrastructure – Urban Mobility and Road Safety

Nepal road safety initiatives, Enhancing Rural Road Safety Management Capacity – World Bank Funded (October 2025 – ongoing)

- Conducted comprehensive geospatial analysis to assess the distribution and accessibility of trauma care centers across Rajasthan, including gap analysis and response time evaluation for the entire state.

Rajasthan Road Safety Transformation Initiative – World Bank Funded (April 2025 – ongoing)

- Conducted comprehensive geospatial analysis to assess the distribution and accessibility of trauma care centers across Rajasthan, including gap analysis and response time evaluation for the entire state.

Developing Safe Road Improvement Plan for selected highways in Bangladesh (Oct 2024 – Mar 2025)

- Conducted geo-spatial analysis, International Road Assessment Programme iRAP road safety audits for 5400 km, crash data analysis, blackspot identification. Supported iRAP assessment including videographic surveys.
- Developed Design templates for Mass action programme.

Road Safety Improvement Program, Tamil Nadu, India (July 2023 – ongoing)

- Conducted geo-spatial analysis, road safety audits for 1000 km, crash data analysis, blackspot identification, and mapping of core road networks and hospital locations.
- Supported iRAP assessment including videographic surveys.
- Developed spatial analysis methodology to identify priority 100-km corridors.

Road Logistics Study, AMNSI Hazira Facility, India (2023 – ongoing)

- Performed swept path analysis using AutoCAD's Vehicle Tracking tool at 31 critical intersections. Developed countermeasures to improve turning maneuvers, traffic flow, and road safety.

Institutional Structure Strengthening, Rajasthan State Highways Authority, India (Jun 2024 – ongoing)

- Conducted spatial analysis identifying potential State Highway corridors focused on tourism, mining, agriculture, and industry.
- Prepared Base map using OpenStreetMap, detailing state highways and economic activity areas.

Karnataka State Highways Improvement Project, India (Mar 2024 – ongoing)

- Conducted blackspot analysis to identify vulnerable locations.

Rajasthan Road Safety Strategy & Action Plan 2024-2033 (July 2023 – Jan 2024)

Flat No. F2, First Floor,
Vishnu Homes 'Vrindhavan'
36/47, 5th St, Ashok Nagar, Kasi
Estate, West Jafferkanpet,
Chennai, Tamil Nadu 600083

LINKED IN

<https://www.linkedin.com/in/karthikkeyan-baskar-alab99139>

CERTIFICATION & MEMBERSHIP

- **Star Rating for Schools (SR4S) Certification** by International Road Assessment Programme (iRAP)
- **Transport & Land Use Data for Data for City Planning Professionals** by Udemy
- **Design Thinking: Insights to Inspiration** course by University of Virginia in Coursera
- **Getting Started with Power BI Desktop** by Coursera
- **Geospatial inputs for enabling Master Plan Formulation** for AMRUT sub-scheme conducted by the Indian Space Research Organization.
- Member- **Council of Architecture** (CA/2018/103219)
- Member- **Institute of Town Planners, India** (AITP/2013/0626)

EDUCATION

M. Plan - Urban Planning
(8.73 CGPA)

School of Planning & Architecture, New Delhi
(2020 - 2022)

B. Arch - Bachelor in Architecture
(8.51 CGPA)

Arulmigu Meenakshi Amman College of Engineering, Affiliated to Anna University, Tiruvannamalai. (2013 - 2018)

- Developed As-is assessment report on road crash incidents, identifying patterns and high-risk areas.
- Provided actionable insights and recommendations to enhance road safety and reduce accidents.

Jun, 2022 - May 2023 (1 years)

Deputy Planner - LEA Associates South Asia Pvt LTD (LASA)

Urban & Regional Development

Preparation of Vision document for Chennai Metropolitan Development Authority (Project Area- 1189 sq.km)

- Coordinating with the internal team, JV partners, sub-consultants, and the client to prepare and submit project deliverables.
- Brainstorming and designing the project website at www.cmavision.in. Creating graphical content, including pamphlets, brochures, and website design elements.
- Generating analytical spatial maps of the CMA (Chennai Metropolitan Area).
- Conducting rapid analysis of the Chennai Metropolitan Area. Engaging in data collection from various departments and organizations within the Chennai Metropolitan Area, such as Corporations, Municipalities, and Town Panchayats.
- Providing assistance in identifying and contacting key government officials, stakeholders, and subject experts for the Stakeholders Engagement Plan.

Oct, 2018 - Sep 2020 (2 years)

Project Architect Ravikumar and Associates (RaA)

Landscape Architecture, Environmental design and Master Planning.

- Projects Involved: SRM Phase II @ Amaravati (Institutional) - 100 Acres, Thamara Pinewoods @ Kothagiri (Hill Resort) - 14 Acres, SHRF - Spiritual Healing Centre @ Saligrama, Udipi - 11 Acres, VIT Schools @ Chennai (International Residential School) - 33 Acres, Bala Mandir @ Chennai (School) - 5 Acres, Avilala ecological park @ Tirupati - 150 Acres, DXN Limited Industrial Park @ Mandapalli, Telangana - 47 Acres.

INTERNSHIP EXPERIENCE

- **May, 2021 - July 2021 (2 Months)** - Intern, Directorate of Urban Land Transport, Bangalore
- **Nov, 2016 - May 2017 (7 Months)** - Intern Architect, Auroville Design Consultants, Auroville
- **May, 2016 - Oct 2016 (5 Months)** - Intern Architect, Kapil Mehta & Associates, New Delhi

AWARDS, COMPETITIONS & RESEARCH WORKS:

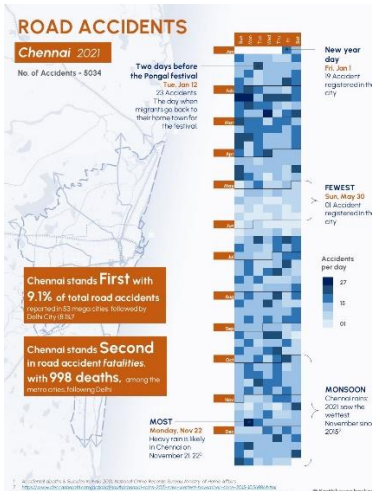
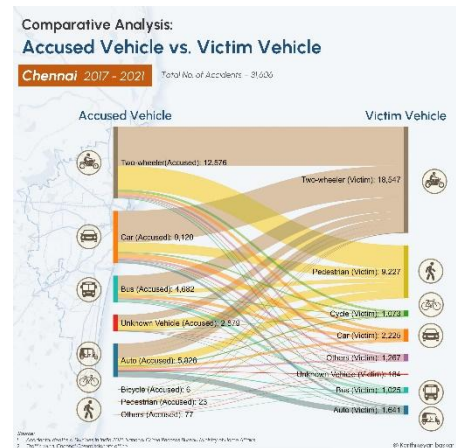
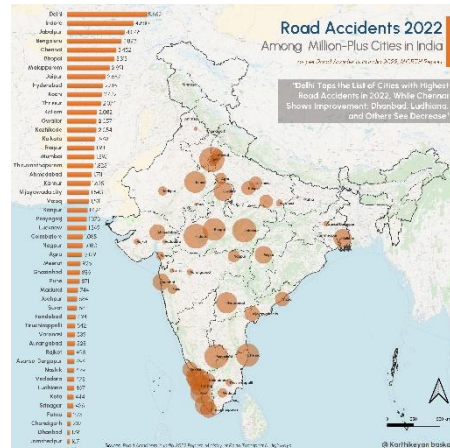
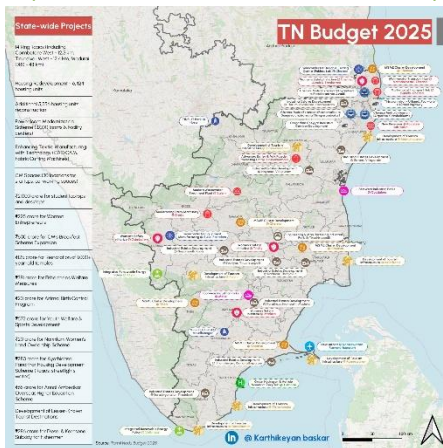
- Delivered Lecture on topic "Spatial Analysis & Data Visualization in Planning" to Lovely professional University Students.
- Presented & published my research paper, "A Methodology for cross-functional and Temporo-Spatial analysis with child pedestrian crashes in Chennai as case study", at the 17th Urban Mobility India Conference.
- Presented my Research work titled "Understanding Child Pedestrian Accidents in Chennai Metropolitan Area" to Chennai Metropolitan Development Authority (CMDA) & Chennai Unified Metropolitan Transport Authority (CUMTA).
- Worked on the "Heading out to the Highways: Engineering safer designs" published under PricewaterhouseCoopers (PwC) thought leadership program
- Presented & published my research paper, "Spatial distribution pattern of pedestrian road accidents in south Asian city: A case study of Chennai", at the 15th Urban Mobility India Conference.
- **Second prize** in the Street for people's Challenge, Tiruchirappalli.
- HUDCO DESIGN AWARDS 2020-21 for SRM, Amaravathi, Andhra Pradesh - I worked as a Project Architect in this project under Ar. Ravikumar Narayan.
- First Runner's up in DULT Internship program, Protect title "Application of GIS and Remote Sensing in Urban Mobility". Second Runner's up in DULT Innovation Challenge, Protect title "Mindless honking"
- HUDCO DESIGN AWARDS 2020-21 for SHRF PROJECT, Udipi, Karnataka - I worked as a Project Architect in this project under Ar. Ravikumar Narayan.
- My Academic Thesis "CONVERGING NODES OF CITY" has won the Global award - Rethinking the Future Education Awards 2020".
- **Event Coordinator** for Annual NASA Design Competition.



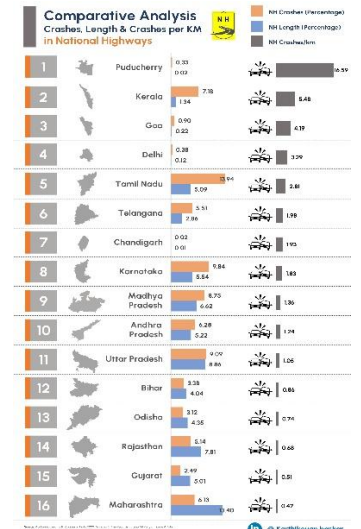
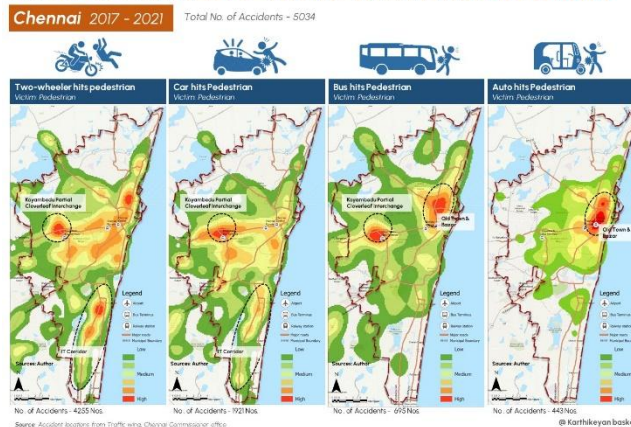
Independent Research

I am also an independent researcher and data visualizer. Please find some of my work in my LinkedIn handle:

<https://www.linkedin.com/in/karthikeyan-baskar-alab99139>



SPATIAL DISTRIBUTION PATTERN OF PEDESTRIAN ROAD ACCIDENTS RELATED TO SPECIFIC VEHICLE HITS PEDESTRIAN



"I hereby declare that all the information provided in my curriculum vitae is true to the best of my knowledge and belief"