

Suman Sukumar Dharmasthala

✉ suman.nad@gmail.com | [in LinkedIn](#)

EDUCATION

School of Planning and Architecture, New Delhi

India

Master of Planning – Specialization in Regional Planning

July 2012 - May 2014

- Institute of National Importance; GATE Scholarship, 64% (First Class)

National Institute of Technology, Bhopal

India

Bachelor of Planning

August 2008 – April 2012

- Institute of National Importance; 80.7% (Distinction)

EXPERIENCE

Independent Researcher

March 2020 – Present

Czech Republic, Germany, India

- Research Assistant in Helmholtz Centre for Environmental Research (UFZ), - from July 2021 to Oct 2021
- Ongoing research work on Urban Heat Island Effect (for European Cities in collaboration with Czech University of Life Sciences, Prague), climate related vulnerabilities and street networks.
- Attended Complex Networks Winter Workshop (CNWW) organized by Vermont Complex Systems Centre at the University of Vermont (USA)
- Young Data Scientist Program Certificate
- Selected to attend the Agent Based Modelling Workshop (in September 2022) offered by Göttingen University, Germany

Indian Institute for Human Settlements (IIHS)

November 2018 – March 2020

Research Associate

Bangalore, India

- Research on real estate financing by government and private agencies - practices and policies.

Khatib and Alami Engineering Consultants Private Ltd.

March 2018 – November 2018

Urban Planner

Bangalore, India

- Preparation of Greenfield Development Plan for 74 villages along Mumbai-Pune Expressway for Maharashtra State Road Development Corporation (MSRDC), Government of Maharashtra. Land Suitability analysis, KPIs at country level,

National Capital Region Planning Board (NCRPB), GoI

May 2017 – October 2017

Urban/Regional/Infrastructure Planner

Delhi, India

- Integration of 6 newly added districts in the National Capital Region (55,000 sqkm) to the Regional Plan 2021

Royal HaskoningDHV Pvt. Ltd.

June 2014 – May 2017

Assistant Manager - Planning

Bangalore, India

- Planner in the core team preparing the revised Master Plan for Bangalore 2031. The work included data collection, coordination among various stakeholders, data analysis, report writing, mapping (thematic and analysis) and conducting workshops and stakeholder consultations. The work was across all sectors on which the team was working on, especially focusing on the following:
 - * **Reports, Detailed Analysis and Notes:** on Economy of Bangalore (baseline and projections), spatial estimation of employment for Traffic Analysis Zones; analysis of Socio-economic survey of 10,000 households; Spatial analysis of natural/storm water drainage of the city and assessing stream order, watershed and basins from flow accumulation from DEM (hydrology analysis).
 - * **Mapping and GIS:** Existing work centers; Creation of Traffic Analysis Zones; Land values; Building Densities and Housing typologies; Sectoral and thematic maps for various sectors including Heritage, Environmentally sensitive areas, Lakes, Solid waste management, etc.
 - * **Stakeholder Coordination and Surveys:** to coordinate and arrange workshops in 8 zone level Public Consultations; Discussions with various stakeholders, data collection and analysis of data for various sectors; Preparation and conducting Industrial perception survey and retail and wholesale markets survey, mapping and analysis and report.

PUBLICATIONS

- Hari, V.*, Dharmasthala, S.*, Koppa, A., Karmakar, S. and Kumar, R. (2021) Climate hazards are threatening vulnerable migrants in Indian megacities”, in: *Nature Climate Change*. DOI: [10.1038/s41558-021-01105-7](https://doi.org/10.1038/s41558-021-01105-7). Note: * - equal contribution.

COMPUTER SKILLS

Statistics and Modeling: R, Python, Excel, NetLogo (learning), Matlab (learning), Postgre-SQL (learning)

Mapping: ArcGIS, QGIS, ERDAS Imagine, Google Earth

Others : LaTeX, Linux, Git, C++, Adobe InDesign, Illustrator and Photoshop

OTHERS

Nationality: Indian

Languages: English (professional proficiency), Hindi, Kannada, Tulu