

# Amarnath Sharma

PhD researcher (PMRF) at IIT Roorkee with +8 yrs. of experience in the education sector. Involved in teaching, research, consultancy, event organisation and administrative works



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Roorkee, Uttarakhand, India

## Area of Interest

Architecture and Urban Design, Air Pollution in Built Environment, Nature-based Solutions, Outdoor Thermal Comfort, Sustainability.

## Education

Bachelor of Architecture from NIT Jaipur (2007-2012) : CGPA -6.18  
M.Arch in Urban Design from Jadavpur University, Kolkata (2019-2021) :CGPA -8.89  
Pursuing PhD from IIT Roorkee, Department of Architecture (2023-onwards) :Coursework CGPA -9.47

## Work Experience

Assistant Professor (Senior Scale )- Manipal School of Architecture & Planning ,Manipal (June 2019- Dec. 2022)  
Assistant Professor - Amity University Rajasthan –Jaipur ( July 2012-Aug. 2017)

## Internships

Intern with Rajiv Goyal Design, New Delhi (Feb. 2011 to May 2011)

## Projects

CO-Investigator for Research project “Gram Panchayat Spatial Development Plan for Uppunda & Shankarnarayana” funded by Ministry of Panchayati Raj,GOI (2020-21)

Trainer for Academic Certification Programme Under Infant-Toddler-Caregiver Friendly Neighborhood (ITCN)Capacity Building Programme sponsored by NIUA, India & Bernard van Leer Foundation (BvLF), Netherlands.

## Achievement

PMRF Scholar- July 2023 onwards  
2<sup>nd</sup> prize in the Architecture Student Competition on the theme “Smart Strategies for Maintaining the Culture and Identity of Historic Cities” organized by the Government of Odisha, IHCNF & UNESCO, New Delhi 2018  
Gate Scholarship: 2017-19 for PG Studies and 2023-onwards for PhD

## Major Research Publication

**Sharma, A., & Mukherjee, M. (2024).** Assessing the effect of Nature-Based Solutions on Air Quality in a Residential Area of Delhi using ENVI-met. PLEA PROCEEDINGS.

**Sharma, A., Majumder, T., & Ghosh, M. (2018).** Comparative Study of Environmental Perception of Place: Food & Interaction. International Journal of Habitat Design and Environment (IJHDE), 3(2), 43–55.

**Das, D., & Sharma, A. (2018).** Conservation in Kumartuli, North Kolkata – Case for Thermal Comfort and Wellbeing of Artisans. Abstract Book of International Conference on Urban Conservation , Centre for Built Environment, Kolkata, 26-28 November 2018.

## References

Prof.(Dr).Mahua Mukherjee  
Professor, Department of Architecture & Planning, IIT Roorkee  
Joint Faculty & Ex-Head, Centre of Excellence in Disaster Mitigation and Management (CoEDMM), IIT Roorkee.  
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Dr. Shubhajit Sadhukhan  
Assistant Professor, Department of Architecture and Planning, IIT Roorkee  
Joint Faculty, Centre for Transportation Systems, IIT Roorkee  
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## Skills

Languages Known: ☐ English ☐ Hindi

### Software skills:

#### 2D/3D Software's

Autodesk AutoCAD	●	●	●	●	●
Autodesk Revit	●	●	●	●	●
Google SketchUp	●	●	●	●	●
Rhinoceros	●	●	●	●	●
Grasshopper	●	●	●	●	●
Honeybee- Ladybug	●	●	●	●	●
Sketchup	●	●	●	●	●
QGIS	●	●	●	●	●
ENVI-met	●	●	●	●	●
Python	●	●	●	●	●
Adobe Photoshop	●	●	●	●	●
MS Excel	●	●	●	●	●

### Hard and soft skills

Teamwork	████████████████████
Organisation Skills	██████████████████
Communication Skills	████████████████████
Decision Making and Management	████████████████████