

# BARNALI CHAKRABORTY

PRIME MINISTER'S RESEARCH FELLOW | ARCHITECT | URBAN PLANNER



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## SUMMARY

An architect and urban planner with 4+ years of teaching and research experience as a Prime Minister's Research Fellow, specializing in urban blight, regeneration of historic city center, and socio-spatial analysis.

## EDUCATION

- 2013-2018 Bachelor of Architecture | **Gauhati University** | 75.46% | University Topper
- 2018-2020 Master of Planning | **School of Planning and Architecture, New Delhi** | 8.46 GPA
- 2021- Ongoing Doctor of Philosophy | **Indian Institute of Technology, Kharagpur** | 9.5 GPA (Coursework)

## WORK EXPERIENCE

- 2019 Summer Intern at HUDCO, Guwahati
- Prepared Comprehensive Development Plan-2035 for Kailashahar, Tripura
- 2018 Intern at Architect's Collaborative, Guwahati
- Prepared conceptual drawings, working drawings and 3D views for residential, hospital and institute buildings
  - Prepared permission drawings according to the Guwahati Building Byelaws
- 2018 Intern at Gridz Studio, Guwahati
- Prepared conceptual drawings, working drawings and 3D views for residential interiors
  - Supervised on-site execution

## TEACHING EXPERIENCE

- 2021-2024 Teaching Assistant at Indian Institute of Technology, Kharagpur
- Mentored and supervised students in Architectural Design and Building Construction Studio Projects
  - Developed and organized short-term courses on "STAADPro for Architects" and "Disaster Risk and Management Strategies" under the Continuing Education Program of IIT, Kharagpur
  - Developed a course on "Basics of Building Construction" for Swayam Prabha (an initiative of the Ministry of Education, Government of India)

- 2022-2024 Visiting Faculty at Tata Institute of Social Science, Guwahati
- Developed and delivered a short-term course-cum-workshop, consisting of lectures, software demonstrations and hands-on training, on “Disaster Management and GIS Applications”
- 2024 Guest Faculty at Guwahati College of Architecture and Planning, Guwahati
- Developed and delivered a short-term course-cum-workshop on GIS applications for spatial analysis.

## RESEARCH EXPERIENCE

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- OCT 2020-  
JAN 2021 Project Assistant at Indian Institute of Technology, Roorkee
- Analyzed data and reported findings for the project titled "Impact of land-use changes on water consumption pattern in urban areas", sponsored by the Shastri Indo-Canadian Institute
- JULY 2024-  
SEPT 2024 Exhibition and Documentation Support Assistant at Indian Institute of Technology, Kharagpur
- Prepared visual presentation of collated data, provided backend support for organizing a Regional Workshop and Exhibition for Engage4Sunderbans, a transdisciplinary project funded by the Swiss National Science Foundation

## PUBLICATIONS

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- JOURNAL Spatial characterization of blighted urban areas using space syntax analysis: The case of historic city centre of Kolkata, India. *GeoJournal*  
<https://doi.org/10.1007/s10708-024-11221-4> . (Indexed in Scopus and UGC-CARE, IF 2.5)
- JOURNAL A Composite Urban Blight Identification and Evaluation Index (CUBIE): A systems-driven approach based on empirical evidence from Kolkata, India. *Social Indicators Research*  
<https://doi.org/10.1007/s11205-024-03494-6> (Indexed in ABCD, SSCI and UGC-CARE, IF 3.2)
- BOOK  
CHAPTER Identification of factors affecting urban quality of life in historic city centres: The case of Dighalipukhuri, Guwahati, India. *Sustainability and Urban Quality of Life: Research, Policy and Practice*. Routledge, Taylor & Francis Group (In Press)
- CONFERENCE A place-based analysis of socio-spatial causes of urban decline and their impact on residents' quality of life. *58<sup>th</sup> ISOCARP World Planning Congress, Brussels, Belgium*  
<https://doi.org/10.47472/c68yqcyq>
- CONFERENCE A fuzzy approach for critical quality assessment of neighbourhood risk factors in historic city centres: Empirical evidence from Kolkata, India. *60<sup>th</sup> ISOCARP World Planning Congress, Siena, Italy* (In Press)
- CONFERENCE Revisiting the notion of urban blight in the context of Global South A discursive approach. *60<sup>th</sup> ISOCARP World Planning Congress, Siena, Italy* (In Press)

## AWARDS, SKILLS AND EXTRA CURRICULAR ACTIVITIES

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**AWARDS**

1. *Prime Minister's Research Fellowship*, Ministry of Education, Government of India, 2022-2024
2. *Technology in Education Award*, Kendriya Vidyalaya Sangathan and Intel Education, 2008
3. *Student Science Ambassador*, Future Space Scientist Program by Oracle Education and Indian Space Research Organisation (ISRO), 2008

**SOFTWARE** Autocad, Sketchup, Lumion, Photoshop, Indesign, MS Office, ArcGIS, SPSS, NVivo

**EXTRA CURRICULAR** Zonal NASA Convention, NIT Rourkela, 2015 | Zonal NASA Convention, Bareilly, 2016 | Annual NASA Convention, Jaipur, 2017

## MEMBERSHIPS

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2018 -  
PRESENT Registered Architect, Council of Architecture, India

2020 -  
PRESENT Associate Member, Institute of Town Planners, India