

Aseem Deodhar

Resume

Cambridge, MA 02139 | 857.424.9471 | aseemvdeodhar@gmail.com | www.aseemdeodhar.com

Education

Northeastern University

Master of Science Urban Informatics *Boston, MA | May 2020*

- Studying the **Effect of public transportation** on Somerville's urban growth using the 'R' statistical language
- Examining Somerville's **Transportation Infrastructure** using various spatial analysis tools within ArcGIS
- Understanding the Social and Infrastructural Factors Relating to Spatial Inequality in Pune, India using the Python programming language
- Graphical Visualisation of the Pune City Tree Census 2015 using R, and Adobe Creative Suite
- **Relevant Courses:** Urban Theory & Science, Big Data for Cities, Advanced Spatial Analysis, Introduction to GIS, Information Design & Visual Analytics

University of Pune

Bachelor of Architecture *Pune, India | Apr 2016*

- Analyzing the potential of **civic institutions** as catalysts for **urban rejuvenation**, MG Marg, Gangtok
 - Questioning Urban Paradigms - Studying the Changing Face of the Tulshibaug Temple Market District
 - **Relevant Courses:** Urban Design & Planning, Architectural Design
-

Skills

- **Software & Applications:** R, AutoCAD, Adobe Creative Suite, Sketchup, PostgreSQL, ArcGIS, Tableau, Python, QGIS
 - **Languages:** Marathi, English, Hindi
-

Volunteering

Boston Cyclists' Union

Part-Time Volunteer *Boston, MA | Sep 2018 - May 2020*

- Organize support for improving bicycle infrastructure in the Boston Area
 - Lobby state legislators to support Non-Motorized-Transport and pedestrian safety bills
-

Work Experience

ARGO Labs

Civic Data Research Intern *Remote | Jul 2020 - Present*

- Using ArcGIS and the R statistical language, developed a 'Covid-19 Safety Index' for sidewalks in the City of Boston, to develop insights on sidewalk carrying capacity across Boston neighborhoods.
- Profiling street morphologies for Indian cities using the OSMNx package in the Python programming language

Boston Area Research Initiative

Graduate Research Assistant *Boston, MA | Jan 2019 - May 2020*

- Using 'R' to analyze anonymized user data from the Transit app, focusing on the Boston Combined Statistical Area.
- Comparing transit app data with GTFS realtime data from the MBTA, and developing insights into usage patterns of the transit network as well as the app for predicting commuter behavior.

Massachusetts Bay Transportation Authority

Program Evaluation and Implementation Assistant *Boston, MA | Jul 2019 - Dec 2019*

- Assist analysts by writing R-scripts to understand data from various internal MBTA as well as external state and federal level crash, transportation survey, and transit feed data.
- Primary projects include analyzing Commuter Pass card data to compare transit usage with equivalent car usage to measure vehicle emissions saved.
- Understanding transit network coverage of the MBTA by stop and station type.
- Developing insights with pedestrian and bicycle crash data from the MassDOT IMAPCT crash portal.

Jana Urban Space Foundation

Associate Urban Designer *Bangalore, India | Jun 2017 - Mar 2018*

- Led a team of 3 on research surveys for a historic retail/wholesale market reorganization
- Collaborated to redesign Bangalore streets for uniform road-width with consideration for NMT users under the Tender SURE design and execution model
- Conducted weekly team building exercises, and hosted talks & documentaries

Urban Design Trainee *Bangalore, India | Nov 2016 - May 2017*

- Part of team to redesign and organize a transit exchange terminal
- Surveyed 35 roads in central Bangalore (~50km) to prepare base drawings for equitable redesigning under the Tender SURE guidelines
- Designed the surface paving pattern for a plaza in central Bangalore
- Archived and simplified the office file storage system

Prashant Pradhan Architects

Architect Trainee *Gangtok, India | May 2015 - Nov 2015*

- My work at Prashant Pradhan Architects primarily involved drafting drawings for projects, assisting architects with minor design development, making 3D models of projects at intermediate stages, site study and measurement.