

# Aseem Deodhar

Data Analysis | Urban Design | Architecture

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## Education

### Northeastern University

MS Urban Informatics, 3.93 GPA  
Boston, MA | May 2020

- Project: Studying the **Effect of public transportation** on Somerville's urban growth using the **'R' statistical programming language**, Fall 2018
- Project: Examining Somerville's **Transportation Infrastructure** using various **spatial analysis tools within ArcGIS**, Fall 2018
- **Relevant Courses:** Big Data for Cities, Advanced Spatial Analysis

### University of Pune

Bachelor of Architecture, First Class  
Pune, India | Apr 2016

- **Final Design Project:** Analyzing the potential of **civic institutions** as catalysts for **urban rejuvenation**, MG Marg, Gangtok, Spring 2016
- **Research Dissertation:** Questioning Urban Paradigms - Studying the Changing Face of the Tulshibaug Temple Market District, Fall 2014-Spring 2015
- **Relevant Courses:** Urban Design

## Skills

### Software & Applications

- Proficient: **R, AutoCAD, Sketchup, Illustrator**;  
Intermediate: **ArcGIS, QGIS, Photoshop**; Beginner: **Python, InDesign**

### Languages

- Native: **Marathi**; Proficient: **Hindi, English**; Beginner: **Nepali, German**

## Work Experience

### Massachusetts Bay Transportation Authority

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

- 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 Perq card data to measure emissions saved, and understanding transit coverage of the MBTA by stop and station type

### Boston Area Research Initiative

Graduate Research Assistant  
Boston, MA | Jan 2019 - Jun 2019

- Using **'R' to analyze** anonymized user data from the **Transit app**, focusing on the Boston Combined Statistical Area
- Using **'R' to analyze tweets geotagged** to the census block level within the City of Boston to understand **social dynamics** and **spatial mobility by demographics**

### 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**
- Designed the **interior detailing** for the headquarters of a bank
- **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

## Volunteering

### Boston Cyclists' Union

Part-Time Volunteer  
Boston, MA | Sep 2018 - Present

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