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## Education

<b>Master of Science in Geographic Information Science,</b> Clark University, Worcester, Massachusetts	2019-2021
<b>Bachelor of Science in Geoinformatics,</b> University of Petroleum and Energy Studies, Dehradun, India	2013-2017

## Skills

• ESRI Suite- ArcMap, ArcGIS Pro, ArcGIS Online, Spatial Analyst, Network Analyst, ArcGIS SDK, Survey123, ArcGIS Collector, ModelBuilder • Python • R programming • SQL • Postgre SQL • JavaScript • HTML • Tableau • Remote Sensing- Terrset • QGIS • Mapbox Studio • Microsoft Office – Excel, Word, PowerPoint • Google Earth Engine

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## Professional Experience

<b>GIS Intern, City of Worcester - Worcester, Massachusetts</b>	June 2020- Sept 2020
• Strengthened the database by updating City of Worcester's GIS layer for 1200 food establishment using ArcGIS Pro and Microsoft Excel	
• Designed and established an automated process for the visualization of updated data on Mapbox GLJS and Google Colab with Python scripting.	
• Collated years of data to produce a comprehensive list of establishments.	
<b>GIS Analyst, Map My India, New Delhi</b>	June 2017- June 2018
• Integrated, analyzed, and utilized UAV data and satellite imagery to geocode and digitize road networks, water bodies, and other significant entities on MapInfo using ArcGIS and SQL.	
• Extracted key features: Points of interest, road directions and road classification from data obtained by surveys on MapInfo.	
• Delivered the converted data on ArcGIS using SQL queries and integrated data extracted for navigation by coordinates.	
<b>GIS Intern, HERE Technologies, New Delhi</b>	May 2016 –Jul 2016
• Geocoded 5000 site locations for Points of Interest, Points of address and roads with the tool HERE Map Creator for extending the map database.	

## Academic Experience

<b>Analyzing COVID vaccination drives in the US and India using Google Earth Engine.</b>	Feb 2021 – June 2021
• Examined the number of vaccine dosages in US and Indian states.	
• Created an interactive map using JavaScript on Google Earth Engine.	
<b>Analyzing Socio-Economic Vulnerability of Syrian Refugees in Lebanon.</b>	Feb 2021 – April 2021
• Calculated classes and ranked the factor according to their importance.	
• Used Raster Calculator for weighted and unweighted vulnerability layers.	
<b>Analyzing Opioid related fatalities in Massachusetts between 2000-2015</b>	Jan 2020- May 2020
• Examined opioid related fatalities in all 39 cities and 312 towns in Massachusetts	
• Formulated space-time cube to visualize and illustrate trends of deaths in the state.	
• Performed Optimized Hotpot and Emerging Hotspot Analysis on the dataset to evaluate high risk areas.	
<b>Trade Area and Analysis using Site Suitability in ArcGIS</b>	Jan 2017- Apr 2017
• Evaluated the area for establishing a grocery store in the main market of Dehradun, India.	
• Analyzed the site using weighted and unweighted suitability models to identify the ideal location.	

## Volunteer Experience

<b>Humanitarian OpenStreetMap</b>	Sep 2019 - Present
• Digitized settlements in Tanzania to expand the database of crowd sourced project to map areas within the country where girls are at a risk of Female Genital Mutilation (FGM)	