

# Sarab Bedi

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## Objective Summary

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Adaptable professional with an eagerness to learn new skills quickly and efficiently. Aiming to leverage my abilities to successfully get a foot in the GIS industry, and help your company achieve its goals.

## Work Experience

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### FREELANCER

WEB DEVELOPER

- Create modern responsive websites using modern design techniques.
- Hosting websites to platforms such as Netlify.

Remote

August 2020 – Present

### SUMMIT ENGINEERING, P.C

FOUNDATIONS ENGINEERING TECHNICIAN

- Consulted with numerous project managers based on field results to authorize building permits
- Conducted 4-5 field and laboratory tests per day using hand augers with dynamic cone penetrometer (DCP) testing to collect data of subsurface conditions for foundations, roadways and other surfaces.
- Collaborated and communicated with home builders, concrete vendors, experienced technicians and project managers.
- Collected and analyzed soil samples from based on features such as texture, color & composition.

Fort Mill, SC

May, 2019 – August, 2019

## Skills

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**Programming:** JavaScript, Python, HTML/CSS, SQL

**GIS Software:** ArcMap, ArcGIS Pro, QGIS, ArcGIS Desktop, ArcGIS Online

**Other Skills:** Adobe XD, React, Node.js, SCSS, Wordpress, Github

## Education

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### University of North Carolina at Charlotte

BACHELORS OF SCIENCE IN GEOLOGY

Charlotte, NC

August 2015 – December 2019

### NC State University

GRADUATE CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS

GPA: 3.8

Raleigh, NC

August 2020 – April 2021

## Projects

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### Population Analysis Project

A PYTHON SCRIPT USING THE ARCPY LIBRARY THAT PREPROCESSES U.S. CENSUS DATA STORED IN A CSV FILE, AND DERIVES SUMMARY STATISTICS TO DISPLAY IN A GIS AND IN AN HTML REPORT. GEOPROCESSING OF THE DATA IS ALSO PERFORMED BASED ON USER INPUTS IN A GUI DISPLAYED IN ARCMAP.

ArcMap, Python, HTML

### Contaminated Sites Project

WEB APP CREATED USING AGOL TO IDENTIFYING ENVIRONMENTALLY CONTAMINATED SITES IN MECKLENBURG COUNTY AS WELL AS NEW LOCATIONS FOR SCHOOLS LOCATED ON THOSE SITES USING EXTENSIVE GEOPROCESSING.

ArcGIS Online, ArcMap