**Vidul Dasan**

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**PROFESSIONAL EXPERIENCE**

**GIS Technician at Apple via RMSI**  May 2022 – Current

* Update databases and geometries based on latest available remote sensing data.
* Create workflows for new projects based on project goals, client’s needs, teams skills, and available data.

**Packing Team Member at Nature’s Purpose - Meal Prep and Delivery** Oct 2021 – Feb 2022

* Worked with the Delivery Team to get orders ready on schedule.
* Coordinated with the Kitchen Team to ensure customers’ dietary needs are met.

**Grader at Kumon Tutoring Center** Oct2017 – Aug 2019

* Worked with teachers, tutors, and other graders to ensure every student received adequate instruction and feedback.
* Personally worked with 24+ students of all ages and skill levels in math and reading daily.

**EDUCATION**

**B.S.P. Urban Planning, Minor: Sustainability** Graduated May 2022

**Geographic Information Science Certification**

**GPA: 3.41, Cum Laude Honors, Deans List for 3 Semesters**

Arizona State University, Tempe, Arizona

**Relevant Coursework:** Geographic Information Science, Cartography and Georeferencing, City Structures and Planning, Planning and Research Methods, Environmental Justice, Geology, Statistics

**Software Proficiencies:** ArcMap, ArcScene, ArcGIS Online, QGIS, SQL, FusionX, FME, Microsoft Office Suite, Adobe Creative Cloud Suite, MATLAB, Google

**ACADEMIC PROJECTS**

**GIS Analysis of Green Space and Demographics in Denver, Colorado**  Spring 2022

* Determined that census block groups with children aged 5-13 are statistically more likely than census block groups with large Hispanic populations to have walking access to recreational green spaces in Denver, Colorado.

**COVID-19 Impact on Tempe Bus and Light Rail Ridership**  Spring 2022

* Used existing research, ASU student data, weekly COVID-19 data, weather data, and City of Tempe public transit ridership data and determined temperature has the strongest correlation with transit ridership.

**Crop Site Suitability with Weighted Overlay Analysis**  Spring 2022

* Use conversion tools to convert vector data to raster data for weighted overlay analysis to determine crop site suitability.

**Polygon Interpolation of Phoenix Light Rail Service Area**  Spring 2022

* Used geometric analysis at census tract and block group levels for populations serviceable by the Phoenix Light Rail to show the differences between the scale of data used.
* Used areal interpolation on census tracts and block groups to get a more accurate estimate of the serviceable populations and ranges.

**Community Environmental Burdens and Benefits Analysis**  Fall 2021

* Use Superfund Sites Portal, EPA Toxic Release Inventory and Hazardous Waste Portals, Google Maps, and Google Street View to determine burdens and benefits through an environmental justice framework in a South Phoenix community.

**Transportation Signature Research Project** Summer 2021

* Analyzed historical documents, maps, events, local news, current events, and more to determine cities transportation signatures – what do residents and tourists use to get around the city in day to day life?
* Project focused on Thiruvananthapuram, Kerala; Seattle, Washington; and Venice, Italy.

**Cleaning the Hudson River Superfund Site Project** Fall 2020

* Determined the best microbe for bioremediation to clean PCB’s from the Hudson River Superfund site.
* Analyzed the environment, microbe, and reaction pathways to determine the effectiveness of bioremediation at this site.

**PROFESSIONAL DEVELOPMENT**

**ASU Student Planning Association (SPA)** Jan 2021 – May 2022

* Workshops and seminars to prepare for AICP Certification.

**Central San’s Virtual Externship Program**  March 2022

* Work with the Central Contra Costa Sanitary District to learn more about their operations, engineering, administration, resource recovery, and environmental protection programs.

**ASU Engineers Without Borders (EWB)** Sept 2019 – April 2020

Worked in multidisciplinary teams to build a solar panel system to power a home.

* Lead the team building the frame which kept the solar panels secured in variable environments.
* Coordinated with different teams to ensure that the components worked together and are completed on schedule.
* Traveled to Shonto, Arizona and successfully installed the system.