

# Vandita Patidar

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## EDUCATION

### Rensselaer Polytechnic Institute

MS in Information Technology and Web Science. GPA 3.96

Troy, NY

January 2021 - Present

### Shri GS Institute of Technology and Science

B.Tech. in Electronics and Telecommunication. GPA 7.9/10

Indore, India

July 2016 - May 2020

## RELEVANT COURSEWORK

Data Science, Data Analytics, Database Application & Systems, Intro to ML, Computer Programming, Capstone, Big Data Policy, Internet & Web Programming, Data Structures & Operating System, Machine Learning, Data Communication & Computer Networks.

## WORK EXPERIENCE

### IBM

Albany, NY

AI Research Extern

May - August 2021

- Researched on explainability tool (LIME) to make it more efficient for business process, by modularizing it according to relevant business process rules using **python**.

### Sciencetech Technologies

Indore, India

R&D Summer Intern

May - June 2019

- Built an intelligent street light system that leverages sensor data to allow street lights to communicate with each other.

## PROJECTS

### Flood Risk Evaluation: NIH/NASA Project

January - May 2021

- Analyzed precipitation data from NASA and location data from Homeland Security to identify which healthcare facilities are more at risk due to high rainfall using unsupervised machine learning algorithms on **python**.
- Designed an interactive dashboard to highlight the hospitals based on their risk category using **HTML**, **CSS**, **Geoapify API**.

### Hurricane Risk Evaluation: NASA Project

September 2021 - Present

- Analyzed wind speed data from NASA and location data from Homeland Security to identify which power grids are more at risk during hurricane like situation using unsupervised machine learning algorithms on **python**.

### Exploration System for NY Gov Public Assistance Cases

September 2021 - Present

- Developed a Python application for querying data from 5 relational and a non-relational dataset using **PostgreSQL** and **MongoDB**.

## SKILLS

- **Languages:** Python, R, C, C++, Matlab, SQL
- **WebDev :** HTML, CSS
- **Database:** MySQL, PostgreSQL, XML
- **Simulation :** Arduino
- **Tools :** Git, RStudio, Visual Studio, Jupiter Notebook, Anaconda, Turbo C

## EXTRACURRICULAR

### Eride NGO

Indore, India

Volunteer

September 2018 - March 2020

- Taught more than 50+ technologically backward children to become digitally literate.
- Co-organized cleanliness drives.

### Kshitij Club, SGSITS

Indore, India

Joint Secretary

July 2019 - May 2020

- Organized several dance and music competitions, managing over 500 people.
- Ensured smooth functioning of the management.