

PRIYANSHI SINGH

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Email: ps3369@nyu.edu

Education

New York University | Center of Urban Science and Progress

Candidate of Master of Science in Urban Informatics, GPA: 3.8/4

New York City, NY, USA

Expected Aug 2017

Uttar Pradesh Technical University

Candidate of Bachelor of Engineering, Computer Science and Engineering

Noida, India

May 2010 - June 2014

Skills and Relevant Coursework

Languages & Databases: C, JAVA, Python, R, HTML, XML, CSS, MySQL, SAS

Relevant Courses: Machine Learning, Applied Data Science, Spatial Analytics, Principles of Urban Informatics, Artificial Intelligence, Operational Research, Data Structures and Algorithms

Design & Analysis: ArcGIS 10.x & extensions, Carto, MATLAB, Tableau

Work Experience

New York University

New York City, NY, USA

Graduate Research Assistant

Nov 2016 – Present

- Collaborating with Marron Institute of Urban management, New York, to complete the catalog of 200 cities, which takes it to further step of analyzing access of Public transit, access to free open space.
- Extracting data using Google Translator API in order to be usable for geospatial Analysis through Geo-pandas, ArcGIS and Carto.
- Analyzed Bing Imagery of locales compared to Landsat imagery and provided details on classification.

Accenture

Pune, India

Software Engineer Analyst / Client- Financial group, Finland

Nov 2014-May 2016

- **Software Developer:** Worked on building the internal payment architecture of a Financial Group based in Finland, thereby developing their core functionalities like credit card payment structure, loan payment etc.
- Built component and business services using MVC- Java, integrated them to deliver the desired functionalities.
- Created reports in SQL Server Report Builder, making use of spark lines, data bars, and indicators for effective data analysis.
- Performed under stringent time brackets as well as responsibility towards quality of daily projects having a turnaround time of 24 hours.
- **Quality Assurance:** Attempt to duplicate reported defects and document finding. Performed functional Testing to ensure the specification of the Software component under test.
- Maintaining good and cordial relationship with client. Work with developers to track backlog items.
- Analyzed, arranged and correlated data from various security tools to show Organization's security posture and report the same to Senior Management.

ACADEMIC PROJECTS

- **Analyzed Spatial-temporal patterns of 311 service request activity in NYC.** The specific challenge was to analyze the incoming service requests from 2015 –approximately two million in total – and attempt to gain insight (spatial and temporal) on the socioeconomic conditions within New York City. Techniques like K-mean clustering, Geo-pandas(python) were used.
- **Urban Environment and Perceived Safety in Cities.** An intent to analyze and understand these characteristics of neighborhoods that do show an understandable impact on this perception of safety, which are based on data-driven features such as socioeconomic, demographic, and physical characteristics were also observed and studied.
- **Second Avenue Subway.** Analysis done to see the impact of introducing second Ave Subway on ridership, median rent, commute time in Upper east side, New York.
- **Vehicle Collisions in NYC, A spatial analysis of injuries and risk aversion:** Vehicle collision data from NYPD was used for doing a spatial analysis to find out internal and external factors of Vehicle collision in NYC. Used python and ArcGIS to identify local indicators of spatial correlation (LISA).
- **Solved the problem of pixel expansion and enhanced security in visual cryptography** as my undergraduate project that implemented an encryption scheme to provide enhanced security with the prevention of unauthorized access of the secret image to be shared by using MATLAB. It required extensive work not only in Excel and PowerPoint, but also in Symantec DLP and Bay Dynamics Risk Fabric.
- **Android Application “Counselling”:** That helped students deciding about their career choices for which I had been selected as “Mobipreneur” and took this thing forward to IIT Madras, India 2013.

AWARDS & HONORS

- **2nd position in GODAN summit Open Data Maker's Hackathon, 2016, New York, USA:** FarmConnect a mobile app which helps farmers to improve, facilitate and manage farming processes providing precise and accessible information from agronomists.
- Earned performance incentive for excelling in ‘Accenture Training Program’.
- Associated as the Project Coordinator with an international NGO named “The Earth Savior's Foundation”, dedicated to serve less privileged people and is making every possible effort to protect the environment.
- Lead a college based society called YFAC (Youth for a Cause), which worked for Social causes.
- Winner of Inter- College Tournament for Badminton Singles, 2013.