Ritwik Gupta

Data Scientist

about

ritwikg2004@live.com
http://ritwikgupta.me
GitHub://RitwikGupta

languages

Python
Java
HTML
CSS
JavaScript
MIPS

technologies

Apache Spark
Mesos
YARN
Hadoop
Scikit
NLTK
Android
Flask
MVC
Apache (LAMPP/XAMPP)
Linux

education

2014 - 2017 **B.Sc.** majoring in Computer Science — University of Pittsburgh
GPA: 3.710
Concentration in Data Science + Software Engineering

awards

- Winner + Best Use of Data – NASA International SpaceApps Pittsburgh
- Winner – Pitt SmashMash! Entrepreneurial Challenge

experience

May 2015 - Now **Staples SparX/Staples Innovation Labs** — Data Science Intern
Building recommender systems for Staples, the 2nd largest online retailer globally.
> Model was put into production on Staples.com and emails.
> Custom ML modeling using NLP techniques.
> Working with Apache Spark, Hadoop, Mesos, YARN, and Python.

Jan. 2015 - Now **University of Pittsburgh (Chemistry)** — Front-End/Mobile Developer
Developing the Pitt Quantum Repository, a web platform for molecular visualizations and data.
> In use by Pitt's general chemistry and biology classes.
> Working with Flask, Bootstrap, LESS, JavaScript, HTML, and Grunt.

Jun. 2014 - Now **Independent/Open-source** — Android Developer
Creating Pittsburgh Realtime Tracker, the first and most popular real-time bus tracking app in Pittsburgh.
> Over 10,000 users in the Pittsburgh region.
> Used Android Studio, Java, XML, and GIMP.

Jun. - Sep. 2014 **University of Pittsburgh (Biomedical Informatics)** — Data Science Intern
Creating machine learning algorithms to categorize driver and passenger mutations given whole-genome data.
> Worked with Python, Theano, nVidia CUDA, and Scikit.

Jun. - Aug. 2013 **University of Pittsburgh (Biomedical Informatics)** — Research Intern
Analyzing the frequency and distribution of palindromes in the entire human genome, with focus on acute myeloid leukemia.
> Developed tools in Java, Python, HTML, JavaScript, and D3.

publications

Distribution of Palindromes in the Human Genome. Journal of Pathology Informatics. March 28, 2014.