

Ritwik Gupta

Data Scientist

about

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

languages

Python
Java
Android
HTML
CSS
JavaScript
MIPS

technologies

Apache Spark
Mesos
YARN
Hadoop
Scikit
NLTK
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 and modifying recommender systems for the Staples.com website.
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.
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.
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.