

# Riya Chanduka

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## EDUCATION

### Master of Information Management

University of Maryland, College Park, MD

*Coursework Includes: Data Analytics, Big Data Infrastructure, Computational Linguistics*

**May 2019**

GPA: 3.9/4.0

### Bachelor of Technology, Information Technology

Jaypee Institute of Information Technology, Noida, India

*Coursework Includes: Project Management, Database Design, Data Mining*

**Jun 2016**

GPA: 3.3/4.0

## SKILLS

- **System Programming:** C, Python, R programming, NodeJS
- **Web scripting/frameworks:** PHP, HTML 5, CSS, ASP.NET
- **Operating Systems:** Windows, Linux
- **Databases:** SQL, Oracle 10g, Microsoft Access
- **IDE/Tools:** Tableau, GitHub, Drupal 8, Microsoft Excel, Rally, RStudio, Qualtrics, Hadoop, Hive, Spark, Jupyter

## WORK EXPERIENCE

### Business Analyst Intern, CISCO, San Jose, CA

**May 2018-Aug 2018**

- Automated batch processing by creating a command line interface for a feature tracking tool Rally which increased efficiency by 85%.
- Created a classification model to classify if a bug is a regression bug or not.

### Drupal Developer-Graduate Assistant, University of Maryland, College Park, MD

**Dec 2018-May 2019**

- Developed and maintained the websites for Office of the Provost and Academic Affairs
- Developed web solutions in Drupal and implemented PHP in a LAMP environment

### Teaching Assistant, University of Maryland, College Park, MD

**Jan 2018-May 2018**

- Teaching Assistant for the courses Statistics for Information Professionals and Object-Oriented Programming for Information Professionals
- Designed the course structure and created assignments in Python and R

### Software Engineer, Vayam Technologies Limited, Delhi, India

**Feb 2017-Jul 2017**

- Developed and tested a data entry portal using .NET 4.0, currently being used by Department of Economic and Statistical Analysis, Haryana, India to make financial policies for the state of Haryana.
- Designed and managed database using SQL Server 2010.

## ACADEMIC PROJECTS

### Examining Criminal Bias in Judicial Systems

**Jan 2019- May 2019**

*University of Maryland, College Park*

- Analyzed pre-trial risk assessment tools used by a county court system in Maryland to find any kind of biases in them.
- Successfully uncovered various racial and demographic biases present in the tool.

### Craft Beer Distribution in USA

**Oct 2018- Dec 2018**

*University of Maryland, College Park*

- Explored the differences in the geographical distribution of Craft Beer in USA using Tableau
- Created a blog explaining the story of Craft Beer Distribution in USA (<https://chanduka2.wixsite.com/craftbeerusa>)

### Predictive Analysis-Loan Approval Status

**Mar 2018-May 2018**

*University of Maryland, College Park*

- Implement Machine Learning algorithms in order to build a predictive model using PySpark
- Predicted loan approval status for Dream Housing Finance company in order to automate the loan eligibility process

### Prediction of NYC Taxi Ride Duration

**Mar 2018-May 2018**

*University of Maryland, College Park*

- Using NYC taxi historical data built a model that predicts the duration of rides
- Analyzed taxi supply and demand in NYC to increase the efficiency of the city's taxi system

## EXTRA-CURRICULAR ACTIVITIES & HONORS

### Intelligent Assistive Machines Lab at HCIL, UMD- Research Assistant

**Oct 2017-Feb 2019**

- Collected and analyzed information on the publicly available accessibility dataset to further promote data-driven research in this field
- Winner of January 2018 Research Improvement Grants (RIGs) hosted by the iSchool, UMD.