

Ratnadeep Mitra

Data Science Graduate Student

EDUCATION

Aug 2017 - May 2019 **M.S. in Analytics (Concentration in Data Science)**

Georgetown University

GPA: 3.78 / 4 (as of Spring 2018)

Relevant coursework:

Advanced Programming Topics, Introduction to Data Analytics, Probabilistic Modeling and Statistical Computing, Effective Presentation for Technology and Science, Massive Data Fundamentals, Statistical Learning for Analytics, Web Search and Sense-Making

Aug 2009 - Jun 2013 **B.Tech. in Electronics and Communication Engineering**

West Bengal University of Technology

GPA: 8.36 / 10 (equivalent to 3.76 / 4, as evaluated by WES)

PROFESSIONAL EXPERIENCE

Feb 2018 - Present **Database Specialist**

Georgetown University

- Design and develop SQL Server database for storing admission and course-related data for current students and alumni of Analytics department in order to increase the effectiveness of academic advising
- Develop an user interface for the application using C# to increase accessibility to staff members

Aug 2013 - Jun 2017 **Senior Software Engineer**

First American (India) Pvt. Ltd.

- 1 of 5 employees out of 700+ to win 'Top Performer' award for exceptional performance in 2016 2nd quarter
- Developed and maintained SQL Server database to track employees' technical and behavioral competencies to aid team building and hiring process
- Coded web designed interfaces for mortgage rules compliance and analysis tool using C#, JavaScript, AngularJS to check potential violations on loans before they are funded
- Designed and developed a prototype of a tool using ASP.NET MVC, JavaScript to facilitate cross-selling by doing customer data analysis and run email campaign to drive business for other subsidiaries of First American Financial Corporation with First American Title Insurance data
- Mentored fresh graduates joining the organization

COURSE PROJECTS

• **The Relationship between Weather and Yelp Reviews**

Investigated the connection between weather and people's sentiment using Python. For analysis, team used reviews from Yelp and weather data to identify interesting patterns. We focused our study on sentiment analysis, topic modeling, network analysis and unsupervised machine learning. The details of our analysis are in portfolio.

OTHER EXPERIENCE

Aug 2017 - May 2018 **Graduate Teaching Assistant**

Georgetown University

Courses:

Scientific and Analytical Visualization, Introduction to Information Technology

📍 Washington, D.C.

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TECHNICAL SKILLS

- Python
- R
- SQL
- MS Excel
- Scala
- Apache Spark
- Amazon Web Services (AWS)
- Web Development
- Tableau
- Hive
- Pig
- C#
- JavaScript
- HTML
- CSS
- AngularJS
- MS Reporting Services (SSRS)
- MS Integration Services (SSIS)
- Agile Scrum

CERTIFICATIONS

- **Data Scientist with R Language** Certification Training (*Simplilearn, July 2016*)
- **Big Data and Hadoop Essentials** (*Udemy, Nov 2015*)
- **R Programming** (*Coursera, Sep 2014*)
- **The Data Scientist's Toolbox** (*Coursera, Sep 2014*)
- **Introduction to Data Science** (*Coursera, Sep 2014*)
- **Big Data and Social Physics** (*MITx, May 2014*)
- **Oracle Database SQL Certified Expert** (*Oracle, July 2013*)

PORTFOLIO

<https://rmitra90.github.io>