

Deeksha Roke

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EDUCATION

Georgia State University, J. Mack Robinson College of Business

Atlanta, GA

Master of Science in Information Systems [GPA: 4.0]

Jul 2022

Coursework: *Machine Learning, Big Data Analytics, Data Programming, Big Data Infrastructure*

RGPV University, Bhopal | [GPA: 3.54]

Indore, India

Bachelor of Engineering, *Computer Science*

Jul 2012

TECHNICAL SKILLS

- **Languages:** Python, SQL, R, Java, PySpark, FastAPI, Apache Spark, Groovy, UNIX, PowerShell
- **Databases:** Teradata, MySQL, MongoDB
- **Data Science:** TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, Boto3, Beautiful Soup, PyTorch, Keras
- **Analytics and Visualization:** Tableau, Microsoft Power BI
- **IDE/Tools:** Hadoop, Jupyter, Spyder, R Studio, Eclipse, Git, Google Colab, JIRA, Workbench, Developer Console

WORK EXPERIENCE

Georgia State University

Atlanta, GA

Graduate Research Assistant

Aug 2021 – In Progress

- Collaborated on **design and development** of Salesforce **Application** for students and staff.
- Analyzed **Business Process** for Improvements, performed **Technical Analysis** and, designed **Data Models**
- Designed and developed **Apex(Java) Classes, Visualforce Pages**, Workflows, Validation Rules, refinement of Page layouts and reporting requirements
- Collected data for migration from the previous version of the application, performed data cleaning, preprocessing on the same.
- Experienced in **VLOOKUP** formula development, **Pivot Table** generation, and **Pivot Reporting** in Microsoft Excel.

Etouch-Virtusa

Pune, India

Software Developer

Mar 2018 – Nov 2018

- Redesigned and developed page object model for **selenium framework** and used **maven/java, Jenkins** in the process.
- Applied concepts of collection framework using Java to optimize multiple pages and to reduce overall complexity.
- Managed consultation for web-based backend application of US departmental store and conducted API testing for the same.
- Performing and documenting data validations, data mapping/design and building Tableau reports and dashboard.

Mindtree

Manchester, UK/Pune, India

Software Engineer

May 2013 – May 2016

- Supervised quality analysis for different media applications on about to launch devices and operating systems on regular basis.
- Conducted seminars for various testing techniques and educated the team on the same.
- Developed and performed **Ruby, Cucumber based scenario on Calabash framework**.
- Collaborated with the team in quality analysis of mobile applications on various operating systems

PROJECTS

Airlines Reviews Sentimental Analysis | Pymongo, MongoDB, Neo4j, Machine Learning Algorithms

Jan 2022 – Feb 2022

- Implemented python script to retrieve data from **MongoDB** collection, using **Pymongo** driver and created a rating network using **Neo4j**.
- Examined **Naïve Bayes** algorithm to perform sentimental analysis, generated **tableau reports and dashboard** with **Tabpy** based calculations.

Predicting Diabetes | Spark, Databricks

Oct 2021-Dec 2021

- Implemented **data pipeline**. Being a classification problem, used **MLlib** Logistic Regression for modeling this problem. Also included three models in the pipeline - Naive Bayes, Random Forest and GBT Classifier.

Predicting Customer Churn | Python, Jupyter, Machine Learning Algorithms

Aug 2021 – Sep 2021

- Conducted **Data Analysis and Data Visualization** on 'Credit Card data from Bank' dataset by envisaging graphs, bar charts, normal charts and pie charts using **NumPy, Pandas, Matplotlib and Seaborn python libraries**.
- Dataset contains the details of bank customer's credit card with 16000 entries and 23 variables. Performed **predictive analysis** with **Random Forest, Logistic Regression** models using **Scikit-learn** libraries.

ACHIEVEMENTS & CERTIFICATIONS

- Received Outstanding Performer of the year 2015, for my work at Mindtree.
- **Salesforce Certified Admin.** | ISTQB foundation level Certified