Siddharth Chauhan

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Education

- **Rochester Institute of Technology** — Rochester, NY
  Master of Science in Information Sciences and Technologies; GPA: 3.67 — *August 2019 – December 2021*
- **Motilal Nehru National Institute of Technology** — Allahabad, India
  Bachelor of Technology in Computer Science and Engineering; GPA: 3.4 — *August 2012 – July 2016*

Experience

- **Rochester Institute of Technology** — Rochester, NY
  Graduate Teaching Assistant — *August 2020 - Present*
  - **Data Mining and Exploration**: Mentored and Tutored class of 30 students on fundamentals of Data Mining techniques, Data Exploration and Data Visualization.
- **JPMorgan Chase & Co.** — Bangalore, India
  Software Engineer — *March 2017 - September 2017*
  - **Backend Development**: Designed **Microservices** and build **RESTful API** for post-trading platform using **Java**, providing quick and easy access to trade flow from Upstream to Risk Management System.
  - **Production Environment**: Optimized and restructured existing legacy system using **C++** object oriented programming resulting in improved runtime up to 40%. Also, Worked in collaboration with EMEA and APAC teams to resolve major production issues.
  - **Mentor**: Performed 50+ code reviews, mentored new Technology Analyst(TAP) on application development and Code of Conduct.
- **JPMorgan Chase & Co.** — Bangalore, India
  Application Developer — *July 2016 - March 2017*
  - **Full Stack Development**: Enhanced Post-Trade capture blotter application built using **C#.NET** framework and increased the bulk trade upload capacity up to 30%.
  - **Database Deployment**: Created automation scripts using **Shell Scripting** for database deployment in a production environment which resulted in reducing runtime from 2 Hours to 45 Minutes.
  - **Testing**: Developed end to end test cases for UAT and production environment using **JUnit** while supporting and maintaining a continuous integration framework based on **Jenkins**.

Technical Skills

- **Programming Languages**: Python, C++, Java, C#, R, PHP, JavaScript, HTML5/CSS3
- **Database**: MySQL, Microsoft SQL Server, MongoDB, Neo4j
- **Data Visualization**: Tableau, Matplotlib, Seaborn, ggplot2
- **Tools & Frameworks**: Spring Boot, React, Angular, JQuery, Docker, Flask, Jenkins, AWS, SAS, Kettle

Projects

- **Brain Tumor Classification and analysis using Machine Learning(ML) models**:
  - Analyzed multiple ML models using Random Forest, Artificial Neural Network(ANN), and K-nearest neighbor(KNN), achieved an accuracy of 89%, Precision(91%) and recall rate(86%).
- **Text Classification of restaurant reviews using Natural Language Processing(NLP)**:
  - Build restaurant recommendation system using NLP techniques and performed Lexical, Syntactical and Semantic analysis on 10,000 customer reviews classifying as positive, negative and neutral based on 5 different service.
- **Listing NGO Opportunities around NYC**:
  - Created NGO search platform for NYC using MongoDB management system, GridFS and GeoLocation.