

Rohan Singh

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EDUCATION

- **Carnegie Mellon University** Pittsburgh, PA
Masters in Information Systems Management; GPA: 3.85 (Dean's List) May - 2018
Courses: Machine Learning, Distributed Systems, Database Management, NoSQL, Statistics, Organizational Design, Economic Analysis
- **Birla Institute of Technology** Mesra, India
Bachelors in Computer Science; GPA: 3.5 (7.70/10.0 - First Class with Distinction) June - 2011

SKILLS SUMMARY

- **Languages:** : Python, Java, C++, SQL, C, VB, C#
- **Tools:** Java Enterprise, GIT, JIRA, Matlab
- **Databases:** : MS-SQL, Redis, Cassandra, MongoDB, Oracle

ACADEMIC PROJECTS

- **Movie Review Classifier:** Implemented a Naive Bayes classifier from scratch to classify IMDB movie reviews.
- **Technology Recommendation:** Created a report describing the advantages of using Java for financial companies.
- **Log Analyzer:** Designed a Java based application which would let users run data analysis on generic log files for emacs.

EXPERIENCE

- **Carnegie Mellon University** Pittsburgh, PA
Teaching Assistant - Database Management Aug 2017 - Present
 - **Grader:** Graded student assignments and helped students in understanding critical concepts.
- **Sapient Global Markets (Client: Citadel LLC.)** Chicago, IL
Associate Technology L2 Mar 2015 - Apr 2017
 - **Team Lead:** Formed and coached an offshore team of 3 based in India by making several trips to India, resulting in streamlined operations for the client and addition of ~\$300,000 in revenues for Sapient.
 - **Data Quality Monitoring System:** Developed a flexible monitoring system to check quality of external data from vendors using state-of-art statistical data analysis, resulting in 200% decrease in turn-around time.
 - **Vendor Management:** Directed the vendor to fix their systems by identifying the top three reasons for bad data and negotiated with the vendor to provide 24x7 support in case of missing/bad data.
- **Sapient Global Markets** London, GB
Associate Technology L1 Mar 2014 - Mar 2015
 - **Commodity Trading Dashboard:** Architected a front-end interface, enabling the trading team to run models on-demand and make quick decisions.
 - **Strategy Modelling:** Revamped the legacy MS-Excel analysis system to use python along with modern scientific packages, reducing the model development and testing time exponentially.
 - **Future Pricing Model:** Implemented a model to generate trading signals for soft commodity futures based on several complex and hard to determine inputs.
- **Sapient Global Markets (Client: Citadel Securities)** Gurgaon, India
Junior Associate Feb 2012 - Feb 2014
 - **Brokerage Client Dashboard:** Conceptualized an interface for managing brokerage clients and implemented the complete system, expediting the client onboarding and reporting process.
 - **Low Touch Servers:** Developed servers which processed over a billion shares a day which enabled adding new clients with high trading volumes and increased revenues to record levels.

AWARDS, SOCIAL WORK, AND INTERESTS

- **Awards:** *Dean's List* Outstanding GPA, Summer Semester (Aug 2017, Carnegie Mellon).
Citadel Puzzles Multitime winner of Citadel's Monthly Puzzle challenge given to top 3 fastest puzzle solvers.
- **Social Work:** *Ugly Indian* (Intermittently: 2011,2015): Led the regional street-cleaning team.
Urban Mobility (Intermittently: 2011,2015): Represented Sapient at the initiative to solve the traffic problem in India.
- **Interests:** Travelling: 18 countries and counting. Photography: Taking landscape photos.