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 (7.88/10.0 - 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**: Developed 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 — *Aug 2015 - 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 reporing 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 Gurgaon, India.

- **Interests**: Travelling: 18 countries and counting. Photography: Taking landscape photos.