Rishabh Jain

Associate, DevOps Engineer, MSCI

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EDUCATION

Program	Institution	%/CGPA	Year of completion
B Tech & M Tech Chemical Engineering Minor in Management	Indian Institute of Technology Madras	8.16 8.66	2016
XII	Indu IT School, Bhilai	82.8%	2011
X	Delhi Public School, Durg	90%	2009

SCHOLASTIC ACHIEVEMENTS

- Cleared **CFA Level 2** (June'17) and **FRM Level 1** (May'16) in first attempt
- Secured **State Rank 4 (~99.99 percentile)** in **CG-PET'11** and **All India Rank 2061 (99.6 percentile)** in **IIT JEE'11**

KEY COURSE WORK

- Statistical Design and Analysis of Experiments
- Principles of Economics
- Introduction to Machine Learning for Data Science
- Accounting and Finance

PROFESSIONAL EXPERIENCE

- **Associate, DevOps Engineer, MSCI** **(Januray'18-Present)**
  - Currently working on POC for containerizing MSCI analytics products using **Docker, Kubernetes and Rancher**
  - Automated upgrade and rollback of Neo4j database using database versioning tool Liquigraph
  - Maintain and upgrade MSCI DevOps tools such as **Bitbucket**, **TeamCity** and **Artifactory**

- **Analyst, DevOps Engineer, MSCI** **(August'16-December'17)**
  - Implemented and automated mission critical **Continuous Integration** pipeline for BarraOne and Analytics Platform in TeamCity
  - Created **visualization tool** for monitoring and managing services of MSCI Analytics products using Java and ExtJs
  - Created Scheduler app for automatically creating build and deploying to any environments. This feature helped in decreasing development cycles, **improved** deployment frequency for Analytics Platform

SKILLS

DevOps Tools : Git, TeamCity, Bitbucket, Docker	Programming Languages : Java, Ruby Javascript, Python

PROJECTS

- **A Priori Parameter Identifiability in Models with Non-Rational Functions** *(Masters Project)*
  - Showed limitations of existing differential algebra methods for testing identifiability of systems with non- rational functions
  - Proposed a method to test identifiability for systems with non-rational functions using Pade approximation and differential algebra
  - Submitted **research paper** for this project in **Automatica Journal**

- **Factorial analysis to determine the effect of different parameters on workers in steel rolling mill** **(Oct-Nov 2014)**
  - Evaluated the effect of object weight, twisting angle and lifting frequency and their interactions on the worker's Lifting Index (index of relative physical stress) using ANOVA in R software
  - Concluded that focus should be on all the above lifting parameters, rather than sole emphasis on object load

EXTRA-CURRICULAR ACTIVITIES

- **Volunteer, National Service Scheme, IIT Madras**
  - Developed science experiment videos for high school students with the aim of imparting scientific knowledge through activity-based learning
  - Received **Certificate of Appreciation** for Outstanding activity in various NSS activities
  - Collected essentials such as Dal, Oil and Sugar **every fortnight** which is donated to a NGO "Gold Heart Foundation" and distributed among destitute children