

Rishi Raj Gupta

<https://www.linkedin.com/in/rishi-1995>

Email : rishiraj@usc.edu

Mobile : +1 (213) 245-7430

EDUCATION

- **University of Southern California** Los Angeles, CA
Master of Science in Computer Science; CGPA: 3.35 August 2019 - May 2021
- **NMIMS University** Mumbai, India
Bachelor of Technology in Computer Engineering; CGPA: 3.52, Meritorious Student August 2013 - July 2017

EXPERIENCE

- **Salesforce Inc.** Los Angeles, CA
SWE Intern May 2020 - August 2020
 - **Devops:** Working with the Einstein Analytics Team, I designed a Continuous Integration metrics collector framework that enables Real Time Monitoring of the Jenkins Farm. Working on Refactoring codebase for provisioning VM's. Also, actively participate in various debugging issues related to Linux Machines and CI builds.
- **REACH Lab: Keck School of Medicine USC** Los Angeles, CA
Student Programmer September 2019 - April 2020
 - **Mobile Application Developer:** Designed and Deployed application for IOS/Android using Angular and Ionic framework for delivering psychological tests, for better understanding the factors that may be related to cancer-related health behaviors such as physical activity and eating.
- **Acrotrend** Mumbai, India
IT Analyst July 2017 - April 2019
 - **Analytics:** Programmed Machine Learning models for clients in events and health sector. Designed Visualizations in Tableau for clients to show Business Insights and KPIs.
 - **Software Engineering:** Worked as Back End Developer in the Agile, Data & Integration Team. Coded production level RESTful Microservices to integrate disparate systems adhering to SDLC processes, and ensure the flow of sanitized data. Building CI/CD pipelines in Jenkins for Deployment, Wrote Health checks and Alerting system in Python for Docker Containers, Maintaining LINUX VM's performance on Azure.
- **Indian Oil Corporation** Kolkata, India
Intern December 2015 - January 2016
 - **Web Development:** Partnered with the IT team to design and develop a Holiday Home Booking System(HHBS) using JavaScript & HTML at frontend. JSP & Oracle 11g Database powered the Backend. HHBS system resulted in the proper management of the 150+ Hotels spread across 100+ cities in India.

PROJECTS

- **HoneyComb:** Implemented Dynamic ETL/ELT Pipelines in Azure Data Factory V2 to handle the flow of data from different source systems to SQL Data Warehouse. The pipelines resulted in reducing the overall cost by 20% and runtime of the workflows by 35%.
- **Data and Integration Hub:** Designing containerized RESTful Java spring boot applications for Backend that facilitate the movement & conversion of data from Salesforce CRM to SQL Warehouse & TM2 using REST and SOAP-based web services. Deployed using Ansible on Azure platform. Besides, Implemented Open Source Monitoring solution for Docker Containers for the Infrastructure, and thus removing external dependencies.
- **Churn Model Analysis:** Using algorithms like XG Boost and Gradient Boosting, increased the accuracy of the Churn model from 70 to 79%. This helped the clients marketing team to decrease the churn rate by offering suitable offers to plausible customers, who might churn out.
- **Profile Generator:** Automated the process of creating T Shaped Employee Profile for clients, by developing a web application using Angular, Material, Java Spring boot and MongoDB. Deployed using Azure Container Registry.

PROGRAMMING SKILLS

- **Languages:** Python, Java, Groovy, TypeScript, Bash **Technologies:** AWS, Ansible, Jenkins, MySQL
- **Frameworks:** Angular, Ionic, Flask, RabbitMQ, Spring **Libraries:** Numpy, Pandas, Scikit, Tensorflow

AWARDS & CERTIFICATIONS

- **Azure 70-775 (Data Engineering):** Issued by Microsoft (2019)
- **Young Researchers Award:** Best Research paper in a Conference Session, NCCEEE Conference (2017)
- **Innovative Idea Competition:** First Position, NMIMS University (2016)
- **Infosys Campus Connect:** NMIMS University (2016)

Volunteer Experience: Conducted best practices sessions for writing Docker files and Ansible scripts in Acrotrend, Conducted after school tutoring programs for NGO Touch (Mumbai) for University.

Relevant Coursework: Machine Learning, Database Systems, Data Structures, Algorithms, Data Mining