

# MOHIT AGGARWAL

Fontana, CA • (817) 879-5036 • [mohitagr18@gmail.com](mailto:mohitagr18@gmail.com)

Data Science Project Portfolio: <https://mohitagr18.github.io>

---

## PROFILE

Energetic self-motivated leader with 7+ years of experience in various areas of business and data analysis including requirements elicitation, data visualization and modelling, user acceptance testing, change management and project management to build customer centric products and deliver desired results.

Successfully analysed business situations to identify the root cause, and presented insightful and actionable recommendations through data analysis and market research.

Core competencies include:

- Business Process Improvement
  - Customer Needs Evaluation
  - Waterfall and Agile Methodologies
  - Process Flows
  - Data Analysis with Python, R, SQL, SAS and Excel
  - Data Exploration and Predictive Modelling Techniques
  - Six Sigma Green Belt
- 

## PROFESSIONAL EXPERIENCE

Esri, Redlands, CA

Apr 20-Present

**Product Engineer – Data Science, ArcGIS Python API**

Esri, Redlands, CA

Jul 17-Apr 20

**Business Analyst, eCommerce**

- *Collaborate with business partners and distributors on implementing a truly global digital ecommerce solution that enhances our customer's digital buying journey, is cost-effective, and ensures compliance.*
- Collaborate with Analytics team on defining metrics to understand our customer's shopping behavior; Provide insights, trends, and analysis of key performance indicators for ecommerce using Adobe Analytics.
- Perform market research to identify a payment and a tax solution that can process payments using multiple payment methods, calculate taxes and handle tax exemption globally.
- Gather and define requirements, create mock-ups for a Product and Pricelist Management system and User Notification emails generated for products sold via eCommerce store.
- On-board distributors to eCommerce store and roll-out products to business users and customers. Test solutions to ensure they meet business requirements and are "fit-for-purpose".

Esri, Redlands, CA

May 19-Aug 19

**Data Science Intern, ArcGIS Python API**

- Analyzed healthcare provider data (~5.8M records; 6.7GB) using Dask, ArcGIS Python API and WebGIS stack.
- Geocoded refined data using ArcGIS GeoAnalytics Server.
- Explored Overall, Mental Health and OB-GYN providers at different geographical levels using Spatial analysis and GeoAnalytics tools in Python.
- Identified socio-economic and demographic factors that influence provider count using various Regression, Feature Selection and Spatial Modelling techniques.

Esurance, Rocklin, CA

April 13-July 17

**Sr. Business Analyst, Product Implementation**

Sept 14 – July 17

**Business Analyst, Product Implementation**

April 13 – Aug 14

- *Supported stakeholders to build and enhance insurance quoting and policy management programs for Auto Product and Compliance projects. Drove new and complex projects from business concept to IT delivery.*
  - Created business requirements documents (BRD), functional specifications and process flows defining detailed rules for new business initiatives and system enhancement projects.
-

# MOHIT AGGARWAL

Fontana, CA • (817) 879-5036 • [mohitagr18@gmail.com](mailto:mohitagr18@gmail.com)

Data Science Project Portfolio: <https://mohitagr18.github.io>

---

- Lead and conducted Joint Application Development (JAD) sessions and BRD reviews with cross-functional teams to develop, document, and confirm business requirements and supporting rules.
- Managed and executed entire projects from start to finish including project management, data gathering and manipulation, problem solving, and communication of insights and recommendations.
- Acted as a subject matter expert to assist technical teams throughout development and testing phases for high priority and complex projects.

**Caterpillar Inc.**, Peoria, IL

**May 11-April 13**

**Business Analyst**, Global Emissions Regulatory Compliance

- *Lead a six-sigma effort on improving the reliability and accuracy of Engine Emissions data on Caterpillar's Technical Marketing Information website. This data was used by process partners, dealers and customers worldwide for import / export of engines and sale of used equipment.*
- Identified gaps in the existing process by performing SWOT, gap and risk analysis.
- Reverse engineered the existing process by working with cross-functional teams to create 'As-Is' process flows, proposed solutions and made recommendations for 'To-Be' process.
- Achieved improved data accuracy, high customer satisfaction and reduced operating costs.

**Buy Stones Online**, Kissimmee, FL

**May 10-April 11**

**Operations Business Analyst** (Volunteer Position)

- *Performed detailed analysis to better understand customer needs, developed and evaluated business requirements; examined existing data and identified areas of improvement.*
  - Tracked and Analysed business trends, prepared reports based on sales history and projections.
  - Managed excess and obsolete inventories, made decisions to scrap or hold for future use.
- 

## EDUCATION

➤ **M.S. Analytics**, Georgia Institute of Technology, GA

**Jan 18-Dec 19**

*Coursework* – Machine Learning, Analytics Modelling, Python for Data Analysis, Data and Visual Analytics, Regression Analysis, Database Systems, Data Analysis for Continuous Improvement, Deterministic Optimization

➤ **M.S. Engineering Management**, University of Texas at Arlington, TX

**Aug 08-May 10**

➤ **B.S. Mechanical Engineering**, U.P. Technical University, India

**Sept 02-May 07**

---

## CERTIFICATIONS

**Data Analytics / Big Data Certificate**, The University of Texas at Austin

**July 16-May 17**

- *Certification involved applying data mining to acquire, process, and analyze extremely large data sets. Explore data to discover patterns and build predictive models.*

**SAS Certified Professional**, SAS

**May 15-Oct 15**

- *Certified Predictive Modeler, Statistical Business Analyst and Base Programmer - Advanced Analytics certification for professionals who solve business problems by performing statistical analyses and building predictive models.*
  - Tools Used – SAS Base, SAS Enterprise Guide, SAS Enterprise Miner
- 

## TECHNICAL SKILLS

- **Data Analysis** - Python, R, SQL, HTML, CSS, D3.js, Flask, Tableau, Adobe Analytics, SAS, ArcGIS Pro
  - **Business Analysis** – SAP, Salesforce, SharePoint, MS Visio, SnagIt, MS Office
  - **Project Management** - MS Project, Workfront, JIRA, Target Process
-