# Aurian Ghaemmaghami

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# EDUCATION

**The University of Texas at Dallas** Graduated Fall 2016

B.S. Logistics and Supply Chain Management - 3.3 GPA

**Southern Methodist University (SMU)** Graduated August 2021

M.S. Data Science (Statistics & Computer Science) – 3.85 GPA

# TECHNICAL SKILLS

* Programming Languages: R, Python, SQL, SAS, XML, JSON
* Operating Systems: Windows, MacOS, Unix/Linux
* Version Control: Git, GitHub, GitLab, SVN, SharePoint, AWS
* Technical Skills: Data Cleaning, Data Structures, Data Modeling/Visualization, Regression Analysis, Statistical Computation/Theory, Time Series Analysis, Machine Learning Models
* Visualization Tools: Tableau, Power BI

# EXPERIENCE

**Kemper Corporation** June 2020 - Present

## Business Performance Analyst II

### Project 1 - Actuarial Loss Development Reserving and Automation

* + Projecting and forecasting monthly metrics to assess environmental impacts to financial benchmarks
  + Present loss and development trends affecting our business to enhance reserving practices
  + Fully automated our financial projections for actuary leading to a reduction in cycle time from 2 weeks to 4 hours using Python
  + Allowed our business partners more time to gather and present strategies to upper level management on reserving activities

### Project 2 – Staffing Initiative Scorecard

* + Created a claim’s adjuster scorecard and ranking system based of various metrics surrounding production, frequency, and consistency
  + Led to a financial benefit of $3,200,000 saved in over 10 months by reducing excessive headcount and standardizing best practices

### Project 3 - Legal Counsel Analysis

* + Leveraging text entity-matching for participant trends regarding our plaintiff firm practices
  + Building a model to predict the likelihood of a claim being attorney represented in a 30, 60, 90-day period
  + Consolidating descriptive reports detailing metrics surrounding top plaintiff firms and developing strategies within internal practices to mitigate excess loss

### Project 4 - Financial Benefits Realization

* + Established a new forecasting methodology tracker and management reporting system for over 30 reports
  + Improved operational efficiency and availability of financial systems by implementing an automated ETL pipeline to extract data from each of these 30 reports to a single source consolidated report
  + Managed and presented material to senior leadership and suite executives for financial decision making

### Project 5 – Mailbox Automation

* + Built out an ETL process from scratch to extract data from a mailbox to check and see if a claim exists in our data warehouse
  + Further implemented this use case with extracting policy information from claims via email

### Project 6 – Incoming Suit Volume Heat Map

* + Utilized geospatial analysis to highlight incoming new lawsuit volume for specific zip codes and counties
  + Educated business partners on policy re-pricing and staff counsel presence strategies
  + Led to an increase in defensible case volume to 93% from the previous 78%

### Project 7 – GitLab/AWS Implementation

* + Led our claim’s analytics division to fully implement a remote GitLab server for version control
  + Led the AWS EC2 and S3 implementation and demos for scalability and automation needs
  + Curated documentation and best practices

## Environment: Python 3.x, SQL, AWS, Oracle, Snowflake, Tableau, Git, GitLab, Visual Studio Code, JupyterLab, MS Excel, MS PPT, Machine Learning

**Gd-Air Testing, Inc.** November 2019 - June 2020

## Data Analyst

### Project 1 - Demand Forecasting

* + Applied Lean Six Sigma principles to increase production efficiency of chemical testing-related products saving over $60,000 in annual costs.
  + Monitored and set control points for inventory management processes
  + Leveraged historical customer sales data to identify areas of expected demand via Time Series Analysis
    - Findings led to excess inventory products costing $5,000 in storage costs per month

### Project 2 - Chemical Compound Correlation Analysis

* + Leveraged PCA, LDA, MLR (multiple linear regression), and multicollinearity techniques to decrease costs associated within our chemical testing facilities by minimizing proportions of chemicals used
  + Reduction in chemical compound usage for certain air testing products by 50%
    - QA results led to same levels of product efficiency with less compound usage
    - Net savings of $3,000/month

*Environment: R, RStudio, Git, Python 3.x, Jupyter Notebooks, Time Series, Regression, MS Excel, MS PPT*