

# Niha Garikapati

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## PROFESSIONAL SUMMARY

I am a passionate Six Sigma certified Data Analyst with 5+ years of experience managing different projects. I have a zest for solving complex problems and am an expert in finding relevant insights from data using various data warehousing techniques. Having a background in data analytics, I have maintained, analyzed, and forecasted data through R, Python, and ETL functions.

## TECHNICAL SKILLS

- **Software and Programming** – Python, SQL, R, Spark
- **Database Management Tools** – Dbeaver, PostgreSQL, Microsoft SQL Server Management, MySQL Workbench, Excel, Access
- **Data Analytics and Big Data Tools** – Google Big Query, PySpark, Postgres
- **Reporting Tool** – Tableau, Power BI, Quicksight, Data Studio
- **Data Modelling Tools** – Lucidchart, Microsoft Visio, Draw.io
- **Cloud Technologies** – Azure, AWS, Google Cloud

## PROFESSIONAL EXPERIENCE

### Complete Recovery Corporation

Taylorsville, UT

#### Business Analyst Intern

May 2022 - Present

- Responsible for automating KPI reports by assembling large complex datasets, saving weekly and monthly labor.
- Build data models to generate meaningful insights from customer data, in turn increasing sales by ~12%.
- Review and update KPIs using Rest API's, working with leadership to meet overall goal with increase in customer retention.
- Lead the client data migration from Oracle to Redshift using ETL functions to improve performance by ~23%.
- Configuring AWS security, including IAM roles and policies, VPC security, and encryption to ensure data privacy.

### Amazon Development Centre India Pvt. Ltd

Hyderabad, India

#### Analytics Manager

Sept 2017 – Oct 2021

- Led 5 analytical teams by evaluating & reporting ongoing KPIs, improving ~40% of the team's productivity.
- Designed 34 reports and dashboards by automating regular and ad hoc analysis increasing run time performance.
- Developed scalable automations of routine tasks, growing operational performance by ~13% resulting around \$75k cost savings.
- Automated KPI reports by building pipelines to optimize dependencies, reducing analysis time by 10+ hours per week.
- Re-structured infrastructure to apply innovative data modelling techniques to exceed development performance targets.

#### Quality Data Analyst

- Created dashboard by automating the querying process to determine over ~97.8% mismatches in physical & virtual inventory.
- Constructed real-time reporting structure that standardized metrics across company, saving 210hrs monthly of manual reporting.
- Maintained ad-hoc reporting requests for various levels of management within given SLAs with ~95% accuracy.

## PROJECTS

### House Prediction: Data Science and Machine Learning (Pandas, NumPy, Matplotlib, Scikit Learn)

Salt Lake City, UT

Developed a recommendation system using content-based, collaborative and hybrid filtering in Python on the House Prediction dataset and applied exploratory data analysis for visualizing data.

### Berkadia - Machine Learning with Random Forests

Midvale, UT

- Analyzed modern cloud infrastructure using S3 and Apache Spark/EMR and machine learning techniques to find and determine optimal weights for each feature for property identification maintaining data quality across the various data sets.
- Implemented KPI dashboard using Spark to show the improvement in property identification accuracy by ~4.3%.

### Super Bowl- Twitter Analysis (Python, Tableau)

Salt Lake City, UT

Analyzed and visualized 76 Super Bowl ads for Game-day Ad Analytics by extracting relevant data metrics and fixing errors.

### Multi-Feature Fingerprint Recognition System to Detect Fraudulent Users

Vizianagaram, India

Worked as team lead to detect fraudulent users with the help of machine learning algorithms under biometrics as the primary domain.

## EDUCATION

### University of Utah, David Eccles School of Business

Salt Lake City, UT

Master of Science, Business Analytics | GPA - 4.0

May 2023

**Relevant Courses:** Database Theory, Advanced Data Mining, Statistics & Predictive Analytics, Big Data, PySpark, Tableau, Text Analytics (NLP), SQL, Machine Learning, Business Decision Algorithms, Marketing Analytics, Data Visualization, Linear and Nonlinear Models, Introduction to Data Science

### Jawaharlal Nehru Technological University Kakinada, University College of Engineering

Vizianagaram, India

Bachelor of Technology, Information Technology | GPA - 3.5

May 2017