

# Riddhi Gupta

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## EDUCATION

**Master of Science in Data Analytics & Engineering**, Northeastern University  
**Bachelor of Technology in Computer Science**, Mody University

**Jan 2022 - May 2024**  
**July 2016 - Aug 2020**

## EXPERIENCE

### Synopsys, Inc

**Sunnyvale, CA**

#### Data Science Intern

**May 2023 - Dec 2023**

- Conducted statistical ad hoc analysis and deep dives, utilizing SQL and Python, to optimize demand forecasts, identify system defects, minimize stockouts, and improve guest experience in both physical and digital retail settings
- Partnered with cross-functional teams of data scientists to gain deep insights into business processes, facilitating the development of models for ongoing enhancement of budget forecasting and head count optimization
- Revolutionized company budgeting processes by engineering dynamic expense dashboards on Tableau, powered by Snowpark and seamlessly integrated with Fivetran data pipelines, resulting in 10% reduction in budgeting time
- Developed Python scripts and APIs to extract vital financial profit/loss details and transaction data from SAP Analytical Cloud, facilitating streamlined data retrieval and analysis processes

### Honeywell

**Bangalore, India**

#### Data Analyst

**Aug 2021 - Dec 2021**

- Presented complex Signavio process modeling concepts and discoveries to diverse audiences, bridging the gap between technical and non-technical stakeholders
- Partnered with cross-functional teams to execute precise cost reduction strategies derived from RCA insights (generated using Tableau & Power BI), resulting in substantial and enduring improvements of 10%

#### Data Warehouse Specialist

**Aug 2020 - Aug 2021**

- Utilized QlikView to conduct thorough analyses, resulting in a remarkable 25% reduction in rework and gaps across various process models
- Utilized Celonis process mining to architect impactful dashboards, spotlighting crucial Key Performance Indicators (KPIs) and trends, empowering data-driven decision-making and ultimately elevating the customer experience by an impressive 45%
- Developed an Order-to-Invoice (O2I) analysis, resulting in a substantial 10% enhancement in punctuality of deliveries, effectively meeting business targets
- Executed SQL scripts, leading to a notable 50% increase in software performance and more efficient data retrieval processes

#### Data Analyst Intern

**Feb 2020 - Aug 2020**

- Implemented Procure to Pay Analysis in SAP Celonis Process mining utilizing SQL/PQL to enhance operational efficiency, cost-effectiveness and decision-making within the organization
- Utilized Python to extract actionable insights from datasets, effectively communicating findings through visually engaging charts and graphs, resulting in a 15% increase in customer satisfaction

## PROJECTS

### Agricultural Policy Recommendation

**Jan 2024 - April 2024**

- Managed diverse data types (statistical, text, hyper-spectral) through comprehensive preprocessing techniques for forecasting
- Designed an end-to-end architecture integrating demand forecasting (LSTM), supply forecasting (CNN), and policy recommendation (Language Model)

### Image Classification for Medical Diagnosis

**Jan 2023 - May 2023**

- Evaluated deep learning architectures (CNN, RNN etc) for image classification, selecting optimal model
- Led development of user-friendly diagnostic tool for healthcare, leveraging transfer learning for superior accuracy and performance in medical condition assessments

### Stock Prediction Using Machine Learning

**June 2022 - Dec 2022**

- Developed a sentiment analysis model for financial news using deep learning neural networks and surrogate models
- Employed BERT transformer to fine-tune and optimize finBert model for sentiment identification in financial news

## SKILLS

### Programming

: Python, R, Java, SQL, NoSQL

### Data Science & ML

: Numpy, Pandas, Matplotlib, Scikit-Learn, PyTorch, TensorFlow

### Database

: PostgreSQL, Oracle, MongoDB, Cypher

### Developer Tools

: Tableau, Snowflake, dbt Python, dbt SQL, Celonis, Signavio, Domino, Power BI, QlikView, BW, GitLab, Service Now, Airflow, Microsoft-office and SAP ERP