

NEHA SUTARIYA

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Education

Stevens Institute of Technology, Hoboken, NJ

Sep 2023 – May 2025

Master of computer science

GPA : 3.7/4.0

Coursework: Database Management, Data Mining, Machine Learning, Cloud Computing, Data Structure

Gujarat Technological University, India

Jul 2017 – May 2021

Bachelor of Computer Engineering

GPA: 8.25/10

Coursework: Algorithms, System Programming, Computer Networks, Web Technology, Software Engineering, Advanced Java, OS, Design Engineering

Technical Skills

Languages & Frameworks: Python, SQL, R, MATLAB, Hadoop, Excel, HTML, CSS, Java, Node.js, JavaScript, Terraform, Scrum

Tools & Technologies: Tableau, Power BI, Figma, Canva, Looker, Excel, Google-sheet, CRM, Kafka-connect, Spark, Delta lake, AWS, Docker, GitHub, Kubernetes, REST API, CI/CD, ML, NLP, Agile

Databases: MySQL, MongoDB, PostgreSQL, NoSQL, Snowflake, Microsoft Dataverse

Analytics & Intelligence: Business Intelligence, Healthcare Data Analysis, Statistical Analysis, KPI Development

Experience

Databricks

May 2024 – Dec 2024

Data Visualization Intern

NYC, USA

- Established automated **data quality** checks throughout the transformation process, proactively identifying and resolving **data anomalies** to uphold **accuracy** and **compliance standards**.
- Collaborated proactively with the team to **document and refine data** engineering processes, fostering knowledge exchange and optimizing overall workflow efficiency.
- Automated data extraction, transformation and loading using **Python and SQL**, ensuring data integrity and accessibility. Connected live data streams to **Tableau**, providing **real-time visualizations** for stakeholders.
- Developed data visualizations including **charts, graphs, and dashboards** to effectively communicate analytical findings to **technical and non-technical** stakeholders.

Elaunch Solution

Jan 2020 – Sep 2023

Data Analyst & Reporting

Surat, India

- Automated ETL processes with **Python** and **SQL**, ensuring data integrity and accessibility, while connecting live data streams to **Tableau**, for real-time visualizations to stakeholders.
- Engineered sophisticated **analytical frameworks** for healthcare patient monitoring systems, optimizing query performance and **minimizing storage costs** by **15%** while maintaining stringent **HIPAA compliance** protocols.
- Integrated web services and APIs to dynamically update dashboards, improving data refresh rates by **40%** and enhancing interactivity by **50%**.
- Developed and maintained over **15+ dynamic dashboards** and **scorecards** using **Excel** and **Google Sheets** to monitor application cleanup progress and server decommissioning metrics across multiple business units.
- Translate **complex analytical** findings into compelling, easy-to-understand stories and visual narratives that engage **non-technical stakeholders** and help drive data-informed **business decisions**.

Natrix Private Limited

Jan 2019 – Dec 2019

Software Developer

Surat, India

- Developed **JSON APIs** to design structured data representations, enabling seamless and standardized communication among diverse software components.
- Spearheaded the development of micro-services using **HTML, Java Script, SQL Server, and CouchDB**, achieving a **30%** increase in scalability and **20%** improvement in deployment efficiency through containerization.

Projects

Analytical Projects

- Tableau dashboard([link](#)) to analyze internet users, speed, and price, offering insights through detailed visualizations.
- The World Happiness Index metrics (life expectancy, GDP, corruption, freedom, generosity) ([link](#)).
- Performed clustering, probabilistic analysis, and text mining to identify key factors for ranking the Universities ([link](#)).
- Analyzed discounts, sales, and profit on E-Commerce Websites ([link](#)); concluded festive seasons have 35% higher sales and non-festive seasons have 30% higher deals.
- Investigated trends and patterns in Crimes in India ([link](#)) datasets.

PrimePay

- Utilized **D3.js, Chart.js, and Power BI** for effective data representation ([link](#))
- Optimized performance of large datasets, **achieving 40-50%** improvement in data rendering speed through techniques like data indexing, caching, compression, and query optimization.