

# Anusha Bhavanam Data Analyst

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## Profile

Data Analyst with 2+ years experience in SQL and Python for data extraction and transformation. Proficient in Tableau and Power BI for creating impactful reports. Proven track record in optimizing data collection processes for accuracy. Strong collaborator with effective communication skills.

## Skills

**Programming Languages** (Python, SQL, R, NoSQL, DAX, MATLAB, VBA),  
**Frameworks & Tools** (Power BI, Tableau, NumPy, Pandas, Matplotlib, Flask, Django, Git, GitHub, Docker, CI/CD, Statistics, HTML, CSS, Agile, SAS, Hadoop, Hive, PySpark, JavaScript, Kubernetes),  
**Databases** (MS-SQL, MySQL, Redshift, Snowflake, Big Query, PostgreSQL, MongoDB, SparkSQL),  
**Data Analysis /ETL tools** (Sterling Integrator, Data Bricks, MS Excel, Google Analytics, ArcGIS, Informatica, Alteryx)

## Professional Experience

**Data Analyst, Anblicks** 08/2023 – Present | Remote, USA

- Developed a Python-centric project aimed at augmenting risk assessment precision, employing meticulous data preprocessing, feature engineering, and model development strategies to deliver 30% increase in accuracy.
- Orchestrated the integration of cutting-edge Python libraries such as NumPy and Pandas, elevating data preprocessing and manipulation capabilities to optimize project workflows and bolster overall efficiency.
- Spearheaded the automation of data extraction and transformation procedures using Python scripting, revolutionizing analytics workflows and yielding substantial reductions in manual labor.
- Elevated risk assessment accuracy by 10% through the strategic implementation of random forest ensemble learning techniques, effectively capturing intricate data relationships, and furthered accuracy by 15% via the deployment of neural network models, underscoring the efficacy of deep learning methodologies in data analysis.

**Data Analyst, Genpact** 03/2020 – 12/2021 | Hyderabad, India

- Orchestrated end-to-end data management processes, meticulously handling 10,000+ data points monthly with a 99% accuracy rate, ensuring data integrity crucial for robust analysis and decision-making.
- Applied advanced statistical methodologies utilizing Python libraries, driving a 15% revenue increase and a 10% reduction in operational costs through insightful data analysis and strategic recommendations.
- Spearheaded the optimization of database processes using SQL, resulting in a 20% improvement in operational efficiency, enhancing scalability and resource utilization across the organization.
- Collaborated closely with cross-functional teams to translate business objectives into data-driven solutions, fostering a 25% increase in customer satisfaction by delivering actionable insights and tailored recommendations.
- Developed dynamic Power BI dashboards and reports, empowering executives with real-time analytics and accelerating decision-making processes by 30%, thus driving agility and competitiveness in the market.
- Implemented data cleansing and validation protocols, reducing data errors by 20% and ensuring high-quality, consistent datasets ready for in-depth analysis, contributing to a culture of data-driven excellence within the organization.

## Education

**Master of Science, George Mason University** 01/2022 – 12/2023 | Virginia, USA  
Computer Science - Machine Learning

**Bachelor of Technology, Jawaharlal Nehru Technological University** 07/2017 – 07/2021 | AP, India  
Computer Science

## Certificates & Achievement

- Microsoft Certified: Power BI Data Analyst Associate [🔗](#)
- Secured dual honors in the Blue Clarity 'Bring Down Counterfeiting-2023' hackathon, claiming both the Best Overall Solution Student Prize and the Crowd Source Prize. [🔗](#)

## Projects

**Eco Bin Classifier,** 04/2023  
*A Machine Learning and Data Analytics Approach to Waste Segregation*

- Leveraged Python, Flask, and machine learning to build a Waste Classifier App, achieving 95% classification accuracy through data analytics, which streamlined waste segregation and enhanced recycling processes.
- Employed robust data analytics techniques to process over 10,000 waste material images, developing a predictive model that improved composting efficiency by 30%, underscoring strong analytical and decision-making skills.

**Healthcare Quality Metrics Dashboard, Driving Healthcare Quality** 01/2022

- Leveraged publicly available healthcare datasets to analyze quality metrics, employing SQL for data management, Power BI for visualization, and DAX for dynamic KPI calculation.
- Developed an intuitive Power BI dashboard, offering interactive exploration of hospital readmission rates, mortality trends, and patient satisfaction scores for informed decision-making.