

# SIMRAN SINGH

+1 5205968582 | [simransingh@arizona.edu](mailto:simransingh@arizona.edu) | <https://www.linkedin.com/in/simransinghs> | Github:[simran555 \(SIMRAN SINGH\)](#)

Logical and well-organized data analyst with expertise in Python, SQL, Power BI, and cloud services like AWS and Azure, skilled in building ETL pipelines, visualizations, and performing statistical analysis. Proven track record in delivering actionable insights to improve business performance and decision-making. Seeking full-time opportunity starting January 2025 in the data analyst and business analyst domain.

## SKILLS

Programming Languages	: Python, R, SQL, PL/SQL, Java, C/C++, C#
Data Visualization Tools	: Power BI, Tableau, Microsoft Excel, Matplotlib, Plotly, Looker, Data Studio
Databases	: RDBMS, MySQL, PostgreSQL, PL/SQL, Redshift
Cloud Services	: AWS S3, Microsoft Azure, Redshift, Snowflake, Databricks
Project Management Tools	: Microsoft Project, Jira, Azure DevOps
Machine Learning	: Tensorflow, Pandas, Numpy, Seaborn, scikit-learn, Data Analysis, Data Science

## EDUCATION:

University of Arizona   Tucson, USA	Master's in Management Information Systems	(GPA: 3.70)	Aug 2023 - Dec 2024
Vellore Institute of Technology   India	Bachelor's in Computer Science and Engineering	(GPA: 3.60)	July 2019 - July 2023

## WORK EXPERIENCE

### Data Analyst Intern | Storied Data | *New Jersey, United States* May 2024 - Aug 2024

- Developed and improved data visualizations and automation of financial and operational metrics for 3+ clients
- Collaborated with cross-functional teams to create scalable datasets ensuring 95-98% data accuracy to improve performance
- Interpreted data, analyzed results using statistical techniques, and provided insights by SSRS reports, and Power BI reports
- Improved dashboards led to a 25% increase in customer retention and user interaction by identifying key customer segments and tailoring marketing campaigns accordingly
- Tools and skills:** Microsoft Excel, Storied Data Software, MySQL, Software validation lifecycle (SDLC), dashboard development

### Data Analyst Intern | Federation of Indian Chambers of Commerce & Industry | *New Delhi, India* May 2022 - July 2022

- Analyzed datasets from 50+ sources, identifying key patterns, trends, and user requirements to improve event attendance
- Prepared 8+ BI dashboards using Power BI and Excel, which improved attendance tracking and marketing metrics analysis
- Technical insights led to a 30% increase in event registration status through targeted marketing campaigns
- Tools and skills:** Power BI, Microsoft Excel, Jira, SQL, Microsoft Office, attention to detail, documentation, SQL query

### Business Analyst Intern | The Sparks Foundation | *New Delhi, India* May 2021 – July 2021

- Transformed raw data into meaningful insights to help stakeholders make informed decisions and improve product sales
- Designed 5+ MicroStrategy Dashboards, collaborated with team to develop datasets that adapt to business processes, leading to a 25% reduction in data processing time
- Delivered presentations, and developed KPI's, technical solutions, resulting in a 30% increase in sales
- Tools and skills:** Tableau, Excel, MySQL, Python, time management, strategy dashboards, problem-solving, critical thinking

## ACADEMIC PROJECTS

### Artificial Intelligence | Heart Disease Prediction using various classification algorithms

- Designed data models predicting the chances of heart disease, leveraged knowledge from literature reviews
- Implemented AI Prediction Models and machine learning algorithms by testing and training the dataset with 10+ factors
- Tested with 8+ algorithms for execution of best-performing algorithm with 96% accuracy and 94% precision in prediction
- Tools and skills:** Python, ml algorithms, data mining, deep learning, Python, Statistics, predictive modeling, research

### Data Analytics Challenge (Enterprise Database Management) | Arizona Accident Analytics: Innovations for Safer Travel

- Analyzed 5 years of vast and complex NHTSA traffic safety real time datasets to identify key issues contributing to fatalities
- Utilized Python for data cleaning, manipulation, and statistical analytics, data visualization tools to communicate recommendations
- Awarded 3rd position among 18 groups** for providing actionable insights, vision and its application to support decision-making
- Tools and skills:** Tableau, MySQL, collaboration, Figma (wireframe), analytical, leadership, Agile for continuous improvement, communication skills

## EXTRACURRICULAR ACTIVITIES/ ACHIEVEMENTS

- Paper publication on 'Big Data Analytics in Healthcare', ([PDF](#)) [BIG DATA ANALYTICS FOR CHRONIC DISEASE PREDICTION \(researchgate.net\)](#)
- Letter of appreciation from Becoming I Foundation (NGO) for event management, coursework planning, report writing
- Outreach head of Vibrant Leaf:** Managed 5 major events and personally contacted 40+ potential clients and organizationsfigma