

# SHREERAM HIRIYANNA

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## SUMMARY

Data-driven professional with over **5 years** of experience in advanced analytics, statistical analysis, data visualization, and stakeholder collaboration. Proficient in **Python, SQL, Tableau, and JIRA**, with expertise in deriving actionable insights, streamlining workflows, and delivering data-driven solutions. **Google Advanced Data Analytics Certified** professional with strong communication skills, adept at transforming complex data into strategic insights that drive business growth across diverse domains

## PROFESSIONAL EXPERIENCE

### ILLINOIS INSTITUTE OF TECHNOLOGY

Chicago, IL

#### Data Analyst

Apr 2023 – Dec 2024

- Engineered a comprehensive **ETL pipeline** using **Python** to preprocess and clean datasets with over **10,000** records, addressing missing values and standardizing variables; improved downstream analytics and enhanced operational efficiency by **30%**
- Executed advanced **multi-variable trend analysis** on geographic and educational data using **Python**, identifying key patterns that improved decision-making efficiency by **25%** and visualized insights through **Tableau** dashboards for stakeholders
- Redesigned the student check-in process by gathering **user stories**, addressing bottlenecks, and implementing a fully digital solution, which significantly reduced manual errors and saved **\$20,000 annually** for the department

### THEMATHCOMPANY

Bengaluru, India

#### Senior HR Data Analyst

Feb 2022 – Oct 2022

- Extracted and analyzed recruitment datasets with **SQL**, evaluating **metrics** such as referrals, hiring cycle durations, and demographics; drove a **20%** boost in recruitment performance through refined strategies and improved reporting structures
- Built interactive **Tableau** dashboards and **Excel** reports, identified and resolved inefficiencies in hiring workflows and proposing impactful process changes; streamlined operations while reducing manual workload by approximately **20 hours** every month

### CROWDSTAFFING

Bengaluru, India

#### HR Data Analyst I

Oct 2018 – Feb 2022

- Conducted in-depth end-to-end market research and analysis using **SQL** and **Excel** to refine recruitment strategies, uncovering actionable insights that directly contributed to an additional **\$50,000** revenue boost for the company
- Analyzed, validated, and transformed talent records across multiple sources, deploying advanced **SQL** scripts to identify inconsistencies and optimize data structures; improved data accuracy and system reliability by a **20%**
- Developed highly detailed presentations and workforce analytics reports in **Excel**, incorporating **predictive insights** and **trend analyses** to enable leadership to implement evidence-based decisions that improved HR strategy outcomes

## PROJECTS

### Waze User Churn Prediction Model (Data Analytics Capstone Project)

Oct 2024 – Jan 2025

- Applied robust data pre-processing using **Pandas** and **NumPy** to handle missing values and outliers, ensuring high-quality EDA
- Created visualizations using **Matplotlib** and **Seaborn** that identified churn trends, influencing model adjustments for accuracy
- Conducted **A/B test** (Two-sample t-test) to identify statistically significant difference in mean between iPhone and Android users
- Built and evaluated the performance of **Regression, Random Forest and XGBoost ML models** to predict user

### Data Cleaning and Analysis of Tech Industry Layoffs

Jan 2024 – May 2024

- Developed and Implemented **SQL** based **ETL** process to clean and standardize layoff records, achieving data accuracy
- Executed advanced SQL analysis with **CTEs** and **Window** functions, revealing trends that improved workforce decisions by 30%

## EDUCATION

### ILLINOIS INSTITUTE OF TECHNOLOGY

Chicago, IL

Master of Engineering Management, Product Design & Development Track

Jan 2023 - Dec 2024

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Bengaluru, India

Bachelor of Engineering in Mechanical Engineering

Aug 2013 - Jun 2017

## SKILLS

- Technical Skills:** Python, SQL, Tableau, R, AWS, Power BI, MS Excel (Advanced), JIRA, Google Workspace
- Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Statsmodels
- Statistical Skills:** Predictive Modeling, Regression Modeling, ANOVA, A/B Testing, Statistical Modeling
- Machine Learning Models:** Regression (Linear, Logistic), Naive Bayes, Decision Trees, Random Forest, AdaBoost, XGBoost
- Certifications:** Certified Scrum Product Owner, Google Advanced Data Analytics, Technical Product Management