# KANISHK GOEL

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## EDUCATION

**The George Washington University** | MS Data Sciences                               Expected May 2025
Relevant coursework: Financial modelling, Deep learning, Time-series analysis and forecasting, Data warehousing

**Guru Gobind Singh Indraprastha University** | Master of Computer Applications                 June 2023
Relevant coursework: Object-oriented design, Mobile computing, Data structures & algorithms

**Ramjas College, University of Delhi** | BSc Physical Sciences                               June 2021
Relevant coursework: Quantitative analysis, Statistics, Probability, Optimization mathematics

## SKILLS

**Programming/Scripting Languages:** Python(Pandas, Scikit-learn, Seaborn), C, C++, Java, SQL, R, SQL (MySQL, MS SQL server)
**Machine Learning & Applications:** Regression modelling, prediction & forecasting, Big Data: Supervised and Unsupervised
**Statistical and Analytics Tools:** SAS, Tableau, Microsoft Excel, R, Jupyter Notebook, R Studio
**Certifications:** Analyze Data by Google; 5-Star rating on HackerRank Problem Solving

## WORK EXPERIENCE

**Madhav Infosolutions**, New Delhi                                               Sep 2021 - July 2023
**Data Analyst**
- Increased B2B customer retention by 30% by providing responsive after-sales service and troubleshooting. Crafted interactive Tableau/BI analytics dashboards, reports and presentations to communicate findings.
- Developed and maintained SQL queries, data pipelines to automate data extraction, transformation and loading (ETL) processes, helping business users make data-driven decisions and reducing manual effort by 35%.
- Reduced manual work from 8 hours to 2 hours by analyzing and automating data collection process using web scraping techniques with BeautifulSoup and Selenium to get detailed information.
- Collaborated with stakeholders to define data requirements, collect and clean data, ensuring data accuracy and integrity. Used algorithms and data sources in the context of business needs to maintain SQL data warehouse.

**Web Developer (Freelance)**, New Delhi                                           July 2020 - Sep 2021
- Enabled business team to achieve 50% reduction in external developer dependency by seamlessly integrating WordPress CMS, streamlining product information updates.
- Enhanced company's online presence by 67%, contributing to increased revenue by implementing organic optimized SEO efforts.

## PROJECT-BASED EXPERIENCE

**Road Accident Severity | Python, Machine Learning**                                   August 2023
- Predicted severity results with 87% accuracy by developing, automating and running analytical classification machine learning model based on random forest algorithm. Developed detection model on large amount of data from Kaggle.

**Indian Premier League (Cricket) Analysis | SQL, Tableau**                               May 2023
- Managed data analysis project to identify match-winning patterns and develop reports. Used dataset from Kaggle.
- Modelled, collected and cleaned data, ensuring data integrity and accuracy. Formed tables using SQL joins.
- Developed data visualizations to communicate findings and insights using Tableau Desktop.

**VocaDiary | Java**                                                                      June 2022
- Designed app from concept through completion, including design, implementation and integration, validation strategy, and debug to help students improve vocabulary and scores on standardized tests by 20%.
- Incorporated creative flashcard feature to make activity engaging, throwing random words every 10 seconds.
- Operated object-oriented Java to form multiple classes for intents, activities, arrays, and fragments. Applied SQLite to form one relational database for word list.
- Adapted Google Firebase to integrate mobile and Gmail authentication for the app with strong problem-solving skill.