

SHWETA YADAV

DATA ANALYST

CONTACT

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PROFILE

A Data Analyst passionate about combining **data, storytelling, and kindness** as a catalyst for social change and to make a positive difference in the community.

EDUCATION

UNIVERSITY OF COLORADO, Denver | 2020
MS in Computer Science

G B PANT ENG. COLLEGE, India | 2018
B. Tech in Computer Science

TECHNICAL SKILLS

- **Programming:** Python, SQL
- **Database Management:** MySQL, PostgreSQL, Oracle
- **Data Visualization:** Tableau, Matplotlib, Seaborn, Power BI
- **Data Wrangling:** Pandas, NumPy, Scikit-Learn, SciPy, Excel
- **Cloud Computing:** AWS
- **Deployment:** Flask, Heroku, HTML, CSS, Bootstrap
- **Statistics:** Hypothesis testing, Central Limit Theorem, Statistical Modeling, A/B testing

MANAGEMENT SKILLS

- Leadership & Growth mindset
- Project & Team Management
- Communication & Empathy
- Problem Solving

WORK EXPERIENCE

- Data Scientist** | employHER | Seattle 09/2020 – Present
- Developing a **Resume Parser** to automate the process of extracting information from a candidate's resume to fill their profile using **python and NLP**.
 - Working on establishing frameworks and best practices for **data acquisition** related to visitor's behavior on the website using hotjar and Google Analytics.
- Data Analyst** | University of Colorado | Denver 02/2019 – 05/2020
- Evaluated performance of professors using a **sentiment analysis system** and **facilitated improvement** in teaching methods by understanding students' learning behavior. Developed the system based on students' comments on ratemyprofessor.com by classifying them into three categories: positive, negative, and neutral.
 - Transformed, vectorized text data, used lemmatization, n-gram, and TF-IDF. Implemented a model using **NLP libraries** and **Naive Bayes** with 75% accuracy. Integrated the data and trained model on **AWS**.
- Business Analyst Intern** | BHEL | India 05/2017 – 08/2017
- Performed **descriptive analytics** on power generation equipment **sales data, using SQL**, for understanding products' performance by region, that aided in forecasting future sales.
 - Created 20+ strategic dashboards for monthly sales growth using **Tableau** to help non-technical teams to act on revenue trends resulting in **30% increased sales**.
- ### DATA ANALYTICS PROJECTS
- Disaster Messages Classification 🔄
- Deployed a **web-application** that classifies messages in **real-time** for emergency workers into 36 categories to detect important messages that need immediate attention.
 - Developed the model with ETL process using **random forest, machine learning pipeline and NLP** algorithms with 75% precision.
- E-Commerce Data Analysis 🔄
- Performed detailed **exploratory data analysis** using visualization libraries to understand key metrics affecting customer's review score. Predicted **customer lifetime value** after segmenting customers for next 6 months using **XGBoost** with 90% accuracy.
- Mental health in Tech Industry Analysis 🔄
- Analyzed employers' trends towards mental health and developed a classifier model to identify how likely it is that an employee will seek treatment with **AdaBoost classifier and decision trees** resulting in 82.18% accuracy