# Tanya Shekhawat

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## EXPERIENCE

❖ **Data Science Intern | Hamoye**                 *(January 2023 - May 2023)*

- Worked to identify the underlying causes of violence in Africa by gathering and analyzing the data and developed a model to anticipate violent acts that would occur in the future - Microsoft Azure, XGBoost, Streamlit, Python, Git.
- Worked with the customer management team to analyze customer spending habits and forecast their future behavior by building a machine-learning model - Regression, Python, Git.

## PERSONAL PROJECTS

❖ **Krishikala - Agriculture Decision Support System (Web App)** [Link]
- Krishikala is a web app to aid farmers to decide crop, fertilizer and diagnose disease in Plants.
- Engineered a robust fertilizer prediction model based on NPK values, leveraging data analytics and machine learning algorithms. This resulted in a 15% increase in the accuracy of fertilizer recommendations
- Developed a crop prediction model, considering environmental conditions such as soil type, climate, and historical data. This led to a 20% improvement in crop selection accuracy, aiding farmers in maximizing yield and profitability.
- Python, Logistic Regression, HyperParameterning, Label encoding Matplotlib, Scikit-learn.

❖ **Cure for Sure - Hospital Management Web App** [Link]
- A hospital management web app, aiming to streamline appointment booking with advanced functionalities such as disease prediction, patient analysis.
- Engineered a machine learning model within the Cure for Sure platform to predict diseases based on symptoms, enhancing diagnostic capabilities for both doctors and patients.
- Developed an analytical dashboard allowing doctors to track and analyse their treated patients, while administrators gained insights into disease trends across various demographics, including age group, gender, city, seasonal patterns etc.
- Python, RandomForest Regression, HyperParameterning, Scikit- learn, Streamlit.

❖ **Jumpstart Sales Prediction** [Link]
- Developed a sales predictor model that predicts sales of items based on items outlet size, visibility of item, item price, and other factors.
- Python, RandomForest regression, Linear Regression, HyperParameterning, Seaborn, Scikit- learn.

## ACHIEVEMENTS

❖ **Smart India Hackathon(SIH) 2023 Winner** [Link]
❖ **Codeenergia-2k23 Hackthon - SIRT | Secured 1st place** [Link]
❖ **SisTec Innovation Hackthon 2023 | Secured 2nd place** [Link]

## SKILLS

- ❖ **Python, Java, R**
- ❖ **Linear Regression, Logistic Regression, Tensorflow, Random Forest Regression, Sikitlearn, Microsoft Suite, Google Workspace**
- ❖ **HTML, CSS, Javascript, SpringBoot, ReactJS**

## EDUCATION

- ❖ B.Tech CSE Hons. specialization in AI | SAGE University  *CGPA***:** *8.6*     *(Nov'21 - Jun'25)*
- ❖ Software Engineering BootCamp | Lithan, Singapore                (Nov'21 - Dec'22)