# Saahil Kataria

**B.Tech Final-Year Student**

Data Science, Machine Learning Deep Learning & AWS

## Contact

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## Summary

A motivated and meticulous student in the final year of B-Tech degree in Data Science .Possessing excellent interpersonal abilities, exceptional technical acumen, and poised to make a significant impact in the AI industry.

## Certifications

AWS Certified Solutions Architect – Associate [Certificate]
Cisco Certified Network Associate Routing and Switching [Certificate]
Virtual Experience Program Participant - British Airways[Certificate]
Virtual Experience Program Participant -Tata Consultancy Services [Certificate]
Deep Learning: Advanced Computer Vision, Udemy, [Certificate]
Machine Learning A-Z™, Udemy, [Certificate]
Tableau 2022 A-Z, Udemy, [Certificate]
Further courses with certificates : NLP, AWS SageMaker, Pytorch

## Technical Stack

**Tools** - Python, SQL, Tableau, Selenium, VS Code, Jupyter,AWS(SageMaker, EC2), Git
**Packages** - Pandas, NumPy, Scikit-Learn, XGBoost, LightGBM,Matplotlib,Seaborn, PyTorch, TensorFlow, Huggingface
**Applications**- classification, regression, clustering, dimensionality reduction, sentiment analysis, text discussion, image classification, object detection, image captioning

## Projects

**SMS Spam Detection using Machine Learning & NLP [link]**

This project is a SMS spam detection system that leverages Natural Language Processing (NLP) and Machine Learning to classify text messages as either spam or ham (non-spam) and utilizes popular libraries such as NLTK, Streamlit, and TF-IDF.

**News Search & Summarizer Tool - Your Daily Newspaper [link]**
It is built using Streamlit for creating interactive web applications, and leverages NLP models for accurate summarization. Whether you're a news enthusiast, researcher, or anyone looking to stay informed, News Search & Summarizer is here to simplify your news reading experience.

**Self Organizing Maps for Fraud Classification [link]**

A SOM is an unsupervised machine learning techni ue that can be used for clustering and visualization of high-dimensional data. In this case, we use a SOM to identify potential fraudsters within a dataset.

## Education

**MCKV School of Engineering**

2020-2024 B. Tech in Computer Science and Engineering : Data Science - 9.23 ( till 6th Semester)

**Apeejay School - CBSE**

2018-2020 Class XII - Computer Science 91%

**Don Bosco School - ICSE**

2007-2018 Class X - 88%

## Key Skills

✔ Inspired by ML to improve decision making
✔ Scientific mindset and strong motivation to learn
✔ Creative and critical thinker : Good poetry skills [My poems]
✔ Team leadership skills : Blue House Captain in High School for two successive years