

# Kushagra Sisodia

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## EXPERIENCE

**Amazon Machine Learning Summer School — Trainee** | Machine Learning , ML Algorithms Aug 2025-Present

- Completed intensive, **3.5-hour** daily sessions on core ML concepts including Supervised & Unsupervised Learning, Deep Neural Networks, and Generative AI with LLMs, under mentorship from **Amazon scientists**.
- Applied dimensionality reduction, sequential learning, and causal inference to real-world datasets through hands-on labs and interactive Q&A, boosting practical Data-driven decision making.

**Software Development Engineer Intern** | Parth Universal Pvt.Ltd, Gurugram [🔗](#) Jul 2024-Dec 2024

- Designed, Engineered, and optimized **Cricket.one's in-house CMS**, enabling scalable publishing of cricket news, live scores, and match updates for **1M+** users during high-traffic events like IPL & World Cup.
- Collaborated across product, design, and content teams to deliver new CMS features, improve performance through caching & database optimization, and mainly worked on creating the website's **WEB STORIES** section.

## TECHNICAL SKILLS

C++, Python, SQL, Scikit-Learn, Pandas, NumPy, Matplotlib, GitHub, Excel, Power BI, HTML, CSS, JavaScript

## PROJECTS

**Stock Prediction** | *Machine learning* [🔗](#) Apr 2025

- Built a stock market prediction classification model using multiple machine learning algorithms (**Logistic Regression, SVM**) to generate buy/No buy trading signals.
- Performed comprehensive feature engineering and **EDA** on **5** years of Tesla stock data, creating technical indicators and date-based features.
- Implemented data preprocessing, normalization, and model evaluation using **ROC-AUC** metrics, achieving accuracy and insights into the challenges of financial market prediction.

**Music Recommendation System** | *Machine learning* [🔗](#) Jan 2025

- Built a content-based music recommendation system in Python using **TF-IDF** and cosine similarity, generating **top-10** personalized song lists from **16,000+** track dataset.
- Automated metadata preprocessing and vectorization, increasing recommendation relevance and processing efficiency for large music datasets.
- Delivered actionable EDA insights through **Matplotlib/Seaborn**, highlighting top **10 genres** and artists to boost User engagement metrics.

**Cricket Data Insights** | *Data Analytics* [🔗](#) Oct 2024

- Collected cricket match and player data by web scraping **ESPN Cricinfo** using automated tools (**Bright Data**) obtained up to **92%** of the required data.
- Performed extensive data cleaning, transformation, and consolidation in Python with Pandas to convert raw **JSON** data into structured **CSV** files for analysis.
- Constructed a comprehensive **Power BI** dashboard using (**Power Query**), (**DAX**) and featuring interactive visuals and calculated metrics to analyze player performances and match outcomes with an accuracy for informed cricket insights.

## EXTRA-CURRICULAR

- **Tech Lead:** NULL VIT Bhopal Student Chapter - Led the planning and coordination of **SECVIT 24** as part of the club, overseeing logistics and participant engagement for **300+** attendees and delivering two high-impact cybersecurity workshops. [🔗](#)
- **Flipkart Grid 7.0:** Reached the **semifinals** in Flipkart Grid 7.0 a prestigious Pan-India technology hackathon. [🔗](#)
- **Coordinator, Cricket team Vice Captain:** Cultural and Sports Events – Led university-level cultural and major campus events at VIT Bhopal, efficiently managing logistics and engagement; Awarded: **Gold Medalist** in Aarambh Inter-Sports Cricket Tournament. [🔗](#)
- **Core Member HR Team:** Data Science Club - Organized and facilitated Data Science Club events, technical workshops, and **community service** initiatives, promoting data literacy, **collaboration**, and alignment with the club's mission. [🔗](#)

## EDUCATION

**VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL**

Bachelor of Technology in Computer Science and Engineering – CGPA: **8.70**

Bhopal, MP

Sept 2022 – Present