Vartika Singh

Neemrana, Rajasthan | vartika.singh22@st.niituniversity.in | [LinkedIn](#) | [GitHub/Portfolio](#)

Experience

Data Analyst Trainee, Excelerate, Remote   July 2025 to August-2025

Worked as Team Lead on a real-world marketing analytics project for Excelerate's partner, Globalshala, using Facebook ad campaign data and visualization tools to drive performance-based decisions.

- Led a global team to interpret raw Facebook ad campaign data and identify underperforming campaigns.
- Recommended discontinuation of campaigns based on key performance indicators.
- Created dashboards and reports that enabled data-driven decision making and helped the team identify ineffective ad spending.
- Gained hands-on experience with data cleaning, visualization tools, and remote team collaboration.

Teaching Assistant, NIIT Foundation, Remote   October 2022 to December 2022

Worked as an English tutor for Job Training at the Career Development Center and helped students get ready for jobs by teaching them specific communication skills.

- Tutored students in English with a focus on improving their communication skills for professional environments.
- Took the initiative and offered personalised help outside the usual sessions.
- Acknowledged for hard work, initiative, and a strong commitment to the growth of students.

Projects

Email Spam Detection System

- Used AI/ML, React.js, Flask, and Docker technology to make the spam email classification and summarization dashboard.
- Tested and built main functionalities using Naïve Bayes, TextRank and TF-IDF.
- Trained a high-accuracy spam detection model on real-world email datasets. Gained skills in full-stack integration, Gmail API usage for live email handling, and deploying multi-container Dockerized applications.
- Learned to build actionable, interactive AI dashboards with real-time classification and summarization.

Health Risk Predictor

- Used Machine Learning and Flask-based web development technology to make this heart disease risk prediction tool.
- Gained skills in full-stack ML app development including Flask backend and HTML-based frontend integration.
- Built personalized health logic with real-time UI, feature importance charts, and safe clinical data validation.

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Education

Bachelor of Technology in Computer Science and Engineering, NIIT University	**2022 to 2026**

CGPA- 8.43

Relevant Modules: Databases, Numerical methods for DS, Data Mining, AI, ML, Big Data, Predictive Modelling

XII, Delhi Public School, Faridabad(CBSE)	**2022**
X, Delhi Public School, Faridabad (CBSE)	**2020**

Skills

Databases: MySQL, MongoDB

Languages: Python, Javascript, R, HTML/CSS,

Frameworks: React, Node.js

Tools/Platforms: Git, Docker, Power BI

Libraries: Pandas, NumPy, Matplotlib, Tensorflow

Certification

- Data Analytics Essentials- CISCO, July 2025
- Data Science Tools- IBM, July 2025
- Introduction to Generative AI- AWS, June 2025
- Supervised Machine Learning- DeepLearning.AI, June 2023

Positions of Responsibility

Music Club Coordinator, NIIT University

- Organized events and created platforms for students to showcase their musical talents.
- Led initiatives to increase club engagements and ensured regular performance opportunities.