

NEHA KHETAWAT

Data Analyst

☎ +91-9309788399 | ✉ nehakhetawat2@gmail.com | **GitHub** github.com/nehak1122 | **in** linkedin.com/in/nehakhetawat

SUMMARY

Detail-oriented Data Analyst with hands-on experience turning raw data into clear, actionable insights. Proficient in SQL, Python, Excel, and Power BI, with a solid foundation in statistics and exploratory data analysis. Adept at cleaning, modeling, and visualizing data to support confident, data-driven decision-making in fast-paced, collaborative environments.

TECHNICAL SKILLS

Programming Languages: Python, SQL

Data Visualization Tools: Advanced MS Excel, Power BI

Data Tools: Pandas, NumPy, Matplotlib, Seaborn, Power BI

Analytical Abilities: Data Cleaning, Exploratory Data Analysis (EDA), Insight Generation, Descriptive Statistics

Core Concepts: Machine Learning, Deep Learning, NLP, Computer Vision, Generative AI, Data Preprocessing, Model Deployment, Feature Engineering

EXPERIENCE

Algonive

Mar 10, 2026

Data Science Intern

Remote

- Worked on algorithm design and optimization techniques for data-driven applications.
- Implemented machine learning approaches for pattern detection and predictive modeling.
- Practiced computational problem solving and algorithmic thinking for real-world datasets.
- 120-hour internship focused on algorithm development and data science fundamentals.

SyntecxHub

Jan 21, 2026 – Feb 21, 2026

Data Science Intern

Remote

- Performed data preprocessing and exploratory data analysis using Python, Pandas, and NumPy.
- Built and evaluated machine learning models using Scikit-learn, measuring performance with accuracy, precision, and recall.
- Collaborated with mentors to design structured ML workflows and improve model reliability.
- 120-hour internship focused on applied machine learning and data analysis.

PROJECTS

Consumer Shopping Behavior Analysis using PCA | *Python, Pandas, NumPy, Scikit-learn*

2026

- Analyzed 211 customer shopping records to understand purchasing patterns and consumer behavior.
- Applied Principal Component Analysis (PCA) to reduce dimensionality and identify hidden patterns in the dataset.
- Identified two major customer segments: value-seeking impulse buyers and price-conscious rational buyers.
- Performed data preprocessing including data cleaning, one-hot encoding, and normalization.
- Used statistical tests such as Bartlett's Test and KMO Test to verify dataset suitability for PCA.
- Generated insights that can help retailers improve product placement, promotions, and pricing strategies.

Employee Attrition Prediction System | *Python, Scikit-learn, Random Forest, XGBoost, Logistic Regression*

2026

- Developed a machine learning system to predict employee attrition risk using HR analytics datasets.
- Implemented and compared Random Forest, XGBoost, and Logistic Regression models to analyze workforce retention patterns.
- Performed feature engineering and data preprocessing to identify key factors influencing employee turnover.
- Achieved high predictive performance and provided insights to support proactive employee retention strategies.

SMS Spam Detection | *Python, NLP, Scikit-learn, Streamlit*

2025

- Built an NLP-based classification system achieving 97% accuracy using TF-IDF and Multinomial Naive Bayes.
- Deployed an interactive web application using Streamlit for real-time text classification.

EDUCATION

Master of Science (MSc) in Data Science

MIT Arts, Commerce and Science College, Pune

Expected July 2027

BSc in Statistics

Prathibha College Commerce and Computer Studies, Pune

May 2025

CGPA: 8.58 / 10.0

CERTIFICATIONS

- Introduction to Cloud Computing – Simplilearn
- TCS iON Career Edge – Young Professional
- Coursera – Machine Learning by Stanford University (Andrew Ng)

LEADERSHIP & RESEARCH

- **INNOVYUH 2.0 Hackathon (Google Developer Groups on Campus, MIT ACSC):** Participated and presented a Body Posture Corrector solution, prototyping and pitching the concept to technical judges.
- **AAVISHKAR 2025 – Zonal Level Research Competition:** Presented research on the “Viksit Bharat Smart Bin” project, proposing a smart waste-management solution aligned with sustainable development goals.