

Shikhar Sharma

Gurugram, India | shikhar.sharma@st.niituniversity.in | [LinkedIn](#) | [GitHub/Portfolio \[hyperlink\]](#)

Objective

I am a final-year B. Tech student with hands-on experience in machine learning and data analysis. I have worked on projects involving predictive modelling, NLP, and system analysis, gaining practical skills in Python and supervised learning algorithms. I aspire to build a career in Business Intelligence and Analytics, leveraging data-driven insights to support decision-making and develop impactful solutions.

Projects

Hybrid Host-Based Intrusion Detection System (HIDS)

- Used Python, system call analysis, and machine learning classifiers to build a hybrid intrusion detection system for Windows hosts.
- Tested models on attack vs. normal system call datasets using accuracy and confusion matrices.
- Learned binary classification, data preprocessing, model evaluation, and system-level feature engineering

Personality Predictor Based on Movies (Personal Project, Ongoing)

- Using Python and supervised learning classifiers to predict personality traits based on movie preferences from TMDB Top 5000 Movies dataset.
- Currently testing model performance across multiple classifiers and evaluation metrics.
- Gaining hands-on experience in data cleaning, feature engineering, dataset preparation, and algorithm evaluation.

SpamSniffer – E-Mail Spam Detection Chatbot

- Used Python, NLP, and supervised learning algorithms to develop a prototype chatbot that displays the spam percentage(likely/unlikely) and provides summaries.
- Tested using sample email datasets and classification evaluation metrics.
- Gained experience in feature extraction, text preprocessing, model evaluation, and web deployment.

Education

B. Tech, Computer and Engineering with Specialization in Artificial Intelligence, NIIT University	2022 to 2026
CGPA-7.94	
XII, Delhi Public School, Sector 45, Gurgaon (CBSE)	2022
X, Delhi Public School, Sector 45, Gurgaon (CBSE)	2020

Skills

- **Data Analysis & Business Intelligence:** Power BI (Basic), Tableau (Basic), SQL (Intermediate), Data Visualization (Matplotlib, Seaborn – Basic), Storytelling & Presentation
 - **Programming & Data Handling:** Python (Intermediate), Pandas (Intermediate), NumPy (Intermediate), scikit-learn (Intermediate).
 - **Machine Learning & Analytics:** Supervised & Unsupervised Learning, Regression & Classification Models, Decision Trees (ID3, CART), Random Forest, Ensemble Methods
 - **Tools & Environments:** VS Code (Intermediate), Python IDLE (Primarily for ML projects)
 - **Foundational Knowledge:** HTML (Basic) ,Jupyter Notebook, Google Colab
 - **Languages:** English (Fluent), Hindi (Native), German (A2 Level)
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Certifications

- Microsoft Power BI Data Analyst Professional Certificate, ONGOING
- Python For Data Science, AI and Development by IBM-Coursera, June 2024

Positions of Responsibility

- **Volunteer, Event Curation Team – SiNUoid Tech Fest 2022, NIIT University**
Assisted in planning and organizing various technical events during the university's annual fest.
- **Volunteer – Convocation 2022, NIIT University**
Supported coordination and smooth execution of the convocation ceremony.
- **Volunteer – Nanhi Chhan Event 2022, NIIT University**
Helped organize a social initiative event on campus.
- **Volunteer – Camp Future 2023, NIIT University**
Contributed to management and execution of Camp Future 2023, at NIIT University.
- **Participant – Dance Competition, NDIM Cultural Fest 2023**
Represented NIIT University in inter-college cultural competition.
- **Participant – Dance Competition, LMNIT Cultural Fest 2024**
Showcased cultural engagement and teamwork through stage performances.
- **Coordinator – Flashmob, NIIT University Cultural Fest 2024**
Led coordination of performers and event execution for the cultural flashmob.