

Dedicated and enthusiastic Bachelor of Technology (B.Tech) student in Computer Science (AI/ML). Proficient in Data Preprocessing, Machine Learning, Statistical Modeling, and Visualization using Python, SQL, Pandas, Scikit-learn, and TensorFlow. Passionate about applying AI/ML solutions to real-world problems. Eager to leverage technical expertise in dynamic environments.

SKILLS

Programming Languages: Python, MySQL

Libraries/Frameworks: NumPy, Pandas, Scikit-learn, XGBoost, TensorFlow, Keras, Matplotlib, Seaborn, Streamlit

Statistical Modeling: Hypothesis Testing, Linear & Logistic Regression, Probability Theory, Statistical Inference

Machine Learning: Supervised Learning, Unsupervised Learning, Model Building, Model Evaluation, Cross-Validation, Hyperparameter Tuning

Deep Learning: Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)

Data Analysis Skills: Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Handling Imbalanced Data, Web Scraping

EXPERIENCE

Data Science Intern

Jun 2024 — Jul 2024

Snapdeal (via Mentormind)

Remote

- Segmented 5 customer groups using K-means to improve marketing focus.
- Segmented customer groups and identified key behavioral patterns using K-means clustering and RFM analysis to enhance marketing strategies.
- Applied RFM (Recency, Frequency, Monetary) analysis for effective customer profiling.
- Used Python (Pandas, scikit-learn) to clean data and build models, cutting processing time by 30%

Data Analytics Intern

Jun 2024 — Aug 2024

IBM SkillsBuild (CSRBOX Foundation)

Remote

- Completed a 6-week program, applying data preprocessing, analysis, and visualization techniques to real-world datasets.
- Developed end-to-end data analysis workflows to identify key business insights and trends.
- Worked on tasks involving data cleaning, trend identification, and business insights generation.
- Utilized Python and visualization libraries to create and present actionable insights from large datasets.

PROJECTS

Movie Recommender System

- Built a movie recommender system using cosine similarity and content-based filtering in Python.
- Created an interactive frontend using Streamlit and deployed the app online.
- Code:** github.com/Abhipratapsingh123/ML_projects-Movie_Recommender

WhatsApp Chat Analyzer

- Created a tool to analyze WhatsApp group chats for message frequency, media sharing and user activity.
- Used Python with pandas, regex, and matplotlib for data parsing and visualization.
- Deployed the tool with Streamlit and published source on GitHub.
- Code:** github.com/Abhipratapsingh123/ML-project-Whatsapp_chat_analysis

Face Recognition-Based Attendance System

- Built an automated attendance system using OpenCV and LBPH, tested with 20+ unique faces.
- Used Haar Cascade to detect faces in real-time with 90-95% accuracy under ideal lighting.
- Created a Flask interface to log attendance in under 2 seconds per detection.
- Code & Documentation:** github.com/Abhipratapsingh123/Attendance_with_face_recognition

Spam Classifier

- This project is an Email/SMS Spam Classifier built using machine learning techniques (Naive Bayes).
- Leveraged Natural Language Processing (NLP) to preprocess and transform text data.
- Achieved 100% precision score using the Multinomial Naive Bayes model, ensuring no ham messages were misclassified as spam.
- Deployed the model as a Streamlit web application.
- Code:** github.com/Abhipratapsingh123/ML-project-Spam-classifier

EDUCATION

Bachelor of Technology in Computer Science (AI/ML) Sushant University, Gurugram

2022 – 2026

Activities: Coding competitions, hackathons, and tech club participation

CGPA: 8.71 / 10