

UTSAV KUMAR

Artificial Intelligence & Machine Learning Engineer

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PROFILE

A B.Tech Computer Science (AIML) student with practical experience in machine learning and NLP-based text analysis, along with responsive web application development. Passionate about building scalable, data-driven solutions.

EDUCATION

B.Tech in Computer Science (AIML)

2023 - Present

Sushant University, Gurugram

INTERNSHIP

Machine Learning Intern, Navriti Technologies Pvt. Ltd.

Aug 2025 - Feb 2026

- Developed NLP-based text classification models for document analysis.
- Implemented text preprocessing techniques using NLTK.
- Performed feature extraction using TF-IDF vectorization.
- Trained and tested Naive Bayes and SVM models, achieving 85%+ accuracy on 8,000+ text samples.
- Evaluated model performance using accuracy score and confusion matrix, improving precision by 12%.

PROJECTS

Plagiarism Detection System | Mentored by Prince

Oct 2025 - Dec 2025

- Developed a machine learning-based system to detect textual plagiarism.
- Trained and compared multiple ML models such as Naive Bayes and SVM.
- Implemented cosine similarity and document similarity scoring to measure textual overlap.
- Evaluated model performance using accuracy score and confusion matrix.
- Saved trained models using Pickle/Joblib for deployment and future predictions.

Coffee Shop Web Application | Self-Developed

June 2025 - Sep 2025

- Designed and developed a fully responsive website using HTML, CSS, and JavaScript.
- Implemented dynamic UI features using DOM manipulation.
- Structured multi-page layout with interactive navigation.
- Optimized the website for better user experience and responsiveness across devices.
- Integrated form validation and basic client-side interactivity for improved functionality.

EXTRA-CURRICULAR ACTIVITIES

- Represented my team in the State Level Cricket Tournament.
- Represented my team in the Delhi Cup Cricket Tournament.

TECHNICAL SKILLS

- Programming: Python
- Machine Learning: NLTK, TF-IDF, SVM
- Libraries: NumPy, Pandas, Scikit-learn
- Web Development: HTML, CSS, JavaScript
- Tools: Git, Jupyter Notebook, Power BI

SOFT SKILLS

- Analytical Thinking
- Adaptability
- Problem Solving
- Teamwork

LANGUAGES

- Hindi
- English