

# YASH AWASTHI

Preeti Nagar , Lucknow, UP 226021  
📞8090163198    ✉️yashawasthi854@gmail.com    in yash-awasthi-a7aa5b334    ● yashdotin

## Education

|                                                                                                     |                                                 |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Bachelor of Technology in Computer Science and Engineering – 8.6 CGP</b><br><i>BBDNITM, AKTU</i> | October, 2023 – 2027<br>Lucknow, Uttar Pradesh  |
| <b>Senior Secondary Education</b><br><i>Bal Nikunj Inter College</i>                                | Apr, 2022– May, 2023<br>Lucknow, Uttar Pradesh  |
| <b>Secondary Education</b><br><i>Florence Nightingale School</i>                                    | Apr, 2020 - May, 2021<br>Lucknow, Uttar Pradesh |

## Experience

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>ML Trainee   GRAS</b> <i>tech</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | July 2026- August 2026 |
| <ul style="list-style-type: none"><li>• Gained hands-on experience in Machine Learning by implementing supervised and unsupervised learning concepts on practical datasets.</li><li>• Developed and trained a <b>CNN-based image classification model on the Fashion-MNIST dataset</b>, covering data preprocessing, model building, training, and evaluation.</li><li>• Implemented and experimented with various <b>ML and Deep Learning concepts</b>, including classification, regression, feature preprocessing, model evaluation, and neural networks.</li></ul> |                        |

## Technical Skills

**Languages:** Python, C/C++  
**ML & AI:** Supervised/Unsupervised Learning, Deep Learning (CNN), Natural Language Processing (Text Classification, Summarization), Time Series Forecasting  
**ML Libraries & Tools:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Hugging Face Transformers  
**Frameworks & Platforms:** **Django** , **Streamlit** ,VS Code, Git ,GitHub, Jupyter, Colab  
**Databases & Data:** SQL, MongoDB, Data Preprocessing, Data Visualization, ETL Pipelines

## Projects

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Fashion-MNIST </b> Python, TensorFlow/Keras, CNN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | July 2026 – July 2026 |
| <ul style="list-style-type: none"><li>• Developed a <b>CNN-based image classification model</b> to classify Fashion-MNIST images into <b>10 clothing categories</b>, using data preprocessing, normalization, reshaping, and one-hot encoding.</li><li>• Designed and trained a CNN architecture using <b>Conv2D, MaxPooling2D, Dense, Flatten, and Dropout</b> layers with the Adam optimizer and categorical cross-entropy loss.</li><li>• Evaluated model performance using <b>accuracy, precision, recall, F1-score, confusion matrix, validation curves, and class-wise predictions</b>, and saved the trained model for reuse.</li></ul>                                                                                                              |                       |
| <b>Aptivio  </b> Python, Pandas, Scikit-learn, TF-IDF, NLP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Apr 2025 – May 2025   |
| <ul style="list-style-type: none"><li>• Built a <b>content-based course recommendation system</b> using <b>TF-IDF vectorization and cosine similarity</b> to match learning content and recommend the most relevant courses from a dataset of <b>109K+ reviews</b>.</li><li>• Applied <b>NLP-based text preprocessing and feature extraction</b> using unigram/bigram TF-IDF representations, transforming course-review text into numerical features for similarity-based retrieval.</li><li>• Designed an efficient <b>Top-K recommendation pipeline</b> using batched cosine-similarity computation to retrieve the <b>10 most relevant course recommendations</b> for each input, generating recommendations across <b>10K+ test records</b>.</li></ul> |                       |
| <b>Student Stress Prediction  </b> Python, Pandas, Scikit-learn, Machine Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Dec 2024 – Jan 2025   |
| <ul style="list-style-type: none"><li>• Developed a <b>machine learning classification system</b> to predict student stress levels using lifestyle, academic, and behavioral factors including sleep, study hours, social-media usage, attendance, exam pressure, family support, and student type</li><li>• Trained and compared <b>six classification algorithms</b>—Logistic Regression, Decision Tree, Random Forest, KNN, SVM, and Gradient Boosting—using accuracy, precision, recall, F1-score, confusion matrices, and 5-fold cross-validation; <b>Logistic Regression achieved 82.0% test accuracy</b></li></ul>                                                                                                                                   |                       |

## Certificates

|                                                                                      |                           |
|--------------------------------------------------------------------------------------|---------------------------|
| <b>Advanced Learning Algorithms</b><br><i>GRAS</i> <i>tech</i>                       | Jul 2026<br>Offline       |
| <b>Professional Soft Skills Development Program</b><br><i>Learnovate Enterprises</i> | 2025 ,Apr 2026<br>Offline |

## Extracurricular

|                                                                                                                                                                                                                                                      |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>HCL AMPliFied – The AI Challenge   Week 1 Hall of Fame  </b>                                                                                                                                                                                      | June 2026-Present |
| <ul style="list-style-type: none"><li>• Ranked <b>17th among the Top 50</b> participants in Round 1, demonstrating performance in AI/ML and weekly coding challenges.</li></ul>                                                                      |                   |
| <b>Kaggle Competitions</b>                                                                                                                                                                                                                           |                   |
| <ul style="list-style-type: none"><li>• Participated in <b>Kaggle competitions</b>, applying machine learning and data science techniques to real-world datasets; ranked <b>11th</b> in <i>E-Commerce Returns: Who Will Send It Back?</i>.</li></ul> |                   |
| <b>Robo Building Workshop   BBDITM Robotics Club &amp; IEEE BBDITM STB</b>                                                                                                                                                                           |                   |
| <ul style="list-style-type: none"><li>• Actively participated in the <b>Robo Building Workshop</b> conducted on <b>18–19 November 2024</b>.</li></ul>                                                                                                |                   |