

# ASHISH KUMAR

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## Education

**Dehradun Institute of Technology (Expected Graduation- June 2025)**

*Bachelor of Science in Computer Science*

**CGPA: 8.47/10**

*Dehradun, Uttarakhand*

**India International School (2020-2021)**

*Intermediate(Physics, Chemistry, Mathematics)*

**Percentage: 81.6%**

*Asansol, West Bengal*

**Delhi Public School (2018-2019)**

*High School*

**Percentage: 91.6%**

*Asansol, West Bengal*

## Technical Skills

**Languages:** Python, Java, C, R, MySQL

**Developer Tools:** VS Code, Eclipse, PyCharm, Google Colab, Git/GitHub

**Technologies/Frameworks:** Scikit-Learn, TensorFlow, LangChain, HuggingFace, OpenCV

**Areas of Interest:** Machine Learning, Deep Learning, Natural Language Processing, Generative AI

**Soft Skills:** Ability to Learn, Analytical and Problem Solving, Adaptability, Communication

## Projects

**MovieMatch** | *Python, Scikit-Learn, NumPy, Pandas, Streamlit*

**June 2024**

- Implemented a movie recommender model using Scikit-Learn library for recommending movies based on the content.
- Efficiently performed data preprocessing to clean, transform, and prepare datasets for analysis and model training.
- Developed a website using Streamlit to access the model and deployed the model on Streamlit Cloud.

**Spam and SMS Classifier** | *Python, Scikit-Learn, NumPy, Pandas, Seaborn, Matplotlib, Streamlit*

**July 2024**

- Developed a spam mail and SMS classifier model using Scikit-Learn for detecting spam messages from textual data.
- Refined the dataset using efficient data preprocessing and used efficient tokenization algorithms on the dataset.
- Performed hyperparameter tuning and employed ensemble learning methods to attain an accuracy of over 97%.
- Developed a website using Streamlit to access the model and deployed the model on Streamlit cloud.

**Multilingual Invoice Extractor** | *Python, LangChain, Gemini API, Generative AI, Streamlit*

**August 2024**

- Engineered a Generative AI Application using Streamlit, an open-source framework, for invoice analysis and data extraction.
- Utilized the Google Gemini Flash API to perform image analysis and output queries with almost 100% accuracy.
- Developed a website using Streamlit and deployed the web application on Streamlit Cloud.

## Relevant Coursework

- |                        |                              |                         |
|------------------------|------------------------------|-------------------------|
| • Data Structures      | • Database Management System | • Deep Learning         |
| • Software Engineering | • Artificial Intelligence    | • Computer Architecture |
| • Operating Systems    | • Computer Networks          | • Machine Learning      |

## Certifications

- Introduction to Deep Learning and Neural Networks with Keras
- Machine Learning: Classification
- AI For Everyone
- Fundamentals of Network Communication
- Introduction to Software Engineering

## Achievements

**LeetCode:** Solved over 500 problems and developed a strong understanding of Data Structures and Algorithms.

## Hobbies and Interests

- Travelling and exploring new places
- Playing sports such as Cricket and Football