

# VEDANSHI BANSAL

[vedanshibansal17@gmail.com](mailto:vedanshibansal17@gmail.com) | +91-9560465450 | [GitHub](#) | [LINKEDIN](#) | [LEETCODE](#) | [GFG](#)

## Skills

---

**Programming Languages:** Java, Python , HTML, CSS

**Frameworks & Tools:** Spring, Spring Boot, Streamlit, PyCharm, Kubernetes, Docker, Git

**Machine Learning & Data Science :** Data Visualization, Data Analysis,Deep Learning, Natural Language Processing,ANN

**Libraries and Tools:** NumPy, Pandas, Scikit-Learn, Seaborn, Matplotlib, TensorFlow, Keras-OCR

**Databases:** MySQL

**Strong Analytical and Problem-Solving Skills:** Demonstrated through advanced machine learning projects and problem-solving on LeetCode and GeeksforGeeks.

## Education

---

<b>DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES , I.P. UNIVERSITY, DELHI</b>	<b>2021 - 2025</b>
• AI ML   CGPA: 9.5 [ Batch Topper ]	
<b>Happy Public School , Delhi</b>	<b>2020 - 2021</b>
• CBSE (Class XII), 95%	
<b>Happy Public School , Delhi</b>	<b>2018 - 2019</b>
• CBSE (Class X), 94%	

## Projects

---

### INDITRANSLATE

- Led the ML development for [IndiTranslate](#), implementing Hugging Face Transformers and Tensorflow for image translation. Applied OCR techniques with Keras-OCR, enhancing text extraction. Utilized CNN, Seq2Seq, and Transformer models for precise translations.
- Led the frontend development**, designing and implementing a user-friendly interface using **HTML, CSS, and JavaScript** to provide an intuitive and responsive user experience.Ensured seamless integration, preserving poster design for official messages in multiple regional languages. Here is a [Demo video](#) of what it looks like .

### MOVIE-REEL-NAVIGATOR

- Engineered an advanced movie recommender system leveraging Python and Scikit-learn for collaborative filtering algorithms. ([github](#))
- Seamlessly integrated the TMDB API to enrich recommendations with real-time movie data.
- Deployed a user-friendly interface using [Streamlit](#) for movie selection and real-time suggestions.([demo video](#))

### FRUITECT

- Developed [Fruitect](#), an innovative machine learning project for fruit detection and classification, using Flask for backend development.
- Implemented convolutional neural networks (CNNs) to accurately identify various fruits from images. Enhanced model performance through extensive data preprocessing and augmentation techniques.Here is a [Demo video](#) of what it looks like .

## Work Experience

---

<b>In-House Training on AI and Deep Learning - IBM</b> ( <a href="#">certificate</a> )	<b>August 2023</b>
• Acquired expertise in Python, NLP, ML, and DL techniques through specialized coursework and practical projects.	
• Deployed models on IBM Cloud and developed AI chatbots using IBM Watson Assistant during hands-on training sessions.	
<b>Suvidha Foundation   ML intern</b>	<b>Dec'23 - Jan'24</b>
• Led efforts in curating and preprocessing datasets for machine learning applications.	
• Engaged in advanced natural language processing tasks, focusing on the CNN Daily Mail dataset.	
• Played a key role in advancing data-driven initiatives to support the foundation's mission. ( <a href="#">certificate</a> )	

## Academic and Extracurricular Achievements

---

- Solved over 300 Data Structures and Algorithms problems on LeetCode and GeeksforGeeks.
- Anchored main stage events, including a prestigious inauguration ceremony attended by over 400 individuals.