

# Sugandha Sawhney

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<https://leetcode.com/u/sugandha126/> | <https://github.com/SugandhaSawhney>

## Education

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**Indira Gandhi Delhi Technical University for Women** 2024 - 2028

- SGPA: 9.1/10 (Marksheet)
- **Coursework:** Bachelor of Technology - Information Technology

**Khemo Devi Public school, Narela** 2024

- Percentage: 86.4 (Marksheet)
- Senior Secondary

**Sacred Heart Convent Sr. Sec. School , Jagadhri** 2022

- Percentage: 98.00 (Marksheet)
- Secondary

## Experience

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**Artificial Intelligence Internship, Istop.ai** (Certificate) March 2024 - April 2024

- Gained hands-on experience with CNNs and model training for image and text data.
- Worked on tasks like landmark detection, object and pet classification, and text classification.
- Learned data pre-processing, augmentation, and performance evaluation techniques.
- Used tools like TensorFlow, Keras, and OpenCV for developing and testing models.
- Strengthened understanding of deep learning workflows and real-world AI applications.

## In Progress

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**Generative AI and Prompt Engineering, IT-Indira Gandhi Delhi Technical University for Women** June 2025 - present

- Understanding core Generative AI models including GANs, VAEs, and Diffusion Models
- Studying the role of Transformers in generative tasks and deep learning optimization methods
- Learning prompt engineering techniques for effective model interaction and few-shot learning

**Python Programming, Stanford Code in Place** April 2025 - present

- Started with Karel the Robot to understand the basics of programming logic using Python
- Covered fundamentals in Python including variables, loops, conditionals, functions, and data structures
- Currently building a console-based game project titled "Jumanji: Welcome to Console", which focuses on text-based adventure gameplay using core Python concepts like control flow, functions, and user input

**Survey Literature on Phishing Email Detection, IGDTUW** (Link) Present

- Writing a review paper on Phishing Email Detection, highlighting recent machine learning techniques and detection challenges.

## Projects

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**Text Classification** Link

- Developed a Text Classification model using TensorFlow to categorize text data based on learned patterns from labeled datasets.

- Tools Used: Python, Pandas, NumPy, scikit-learn, and NLTK for preprocessing, and Matplotlib/Seaborn for evaluation and visualization.

### **Pet Classification**

[Link](#)

- Built a Pet Image Classification model using TensorFlow and CNNs to distinguish between different pet categories
- Tools Used: Python, OpenCV, NumPy, and Keras for image pre-processing and model training.

### **Skills**

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**Languages:** C++, Java, Python

**Machine Learning:** Linear Regression, Logistic Regression, Decision Tree, Random Forest, SVM, KNN

**CS Fundamentals:** DSA, OOPS, Web Development

**Soft Skills:** Time Management, Leadership Skills, Decision making, Critical Thinking

### **Roles and Responsibilities**

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**Student Coordinator | Summer Internship, IGDTUW**

June 2025 - present

- Leading and coordinating the Summer Internship Program by facilitating seamless communication between students, faculty, and industry mentors for smooth execution.

### **Achievements**

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**Basic Coding in JAVA- DSA top mentee | LeanIn, IGDTUW(Certificate)**

Jan 2025- March 2025

- Selected as a Top Mentee in the Java DSA Cohort, recognized for consistent performance and problem-solving excellence