

## Contact

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## Top Skills

Mathematics

Data Structures

Algorithms

## Certifications

Decode Data Science With Machine Learning – Physics Wallah

Java Programming

FREE TensorFlow-Keras Bootcamp

Database for Developers: Foundations - Oracle

Python Programming Bootcamp - Udemy

# Abhay Agnihotri

Engineering

Lucknow, Uttar Pradesh, India

## Summary

### About Me

I am a 4th-year Bachelor's student with a strong passion for Java Full-Stack Development and a growing interest in AI and Machine Learning. Currently, I am honing my skills in Java, Spring Boot, DSA, and MongoDB while simultaneously exploring advanced concepts in AI and Data Analytics.

### Career Goal

My objective is to become a proficient Java Full-Stack Developer, specializing in backend technologies while integrating AI/ML capabilities into real-world applications.

## # Skills & Expertise

Programming: Java, Python

Frameworks: Spring Boot

Databases: MongoDB, SQLite

Frontend: HTML, CSS, JavaScript

Strong understanding of DSA and problem-solving

### Interests

I am deeply interested in AI/ML, backend development, DSA, and API integrations. I am always eager to learn and apply new technologies to solve complex problems efficiently.

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## Experience

Edunet Foundation

Skills4Future AI Intern - Tree Classification via Convolutional Neural Networks

July 2025 - August 2025 (2 months)

Built a computer vision application for automated tree species identification using PyTorch and ResNet-50 architecture. Achieved 92.5% classification accuracy on dataset containing 30+ tree species through transfer learning and data augmentation. Developed an interactive Streamlit web interface with drag-and-drop functionality for real-time image classification. Created comprehensive visualization dashboard featuring confidence scoring, prediction charts, and statistical analysis tools.

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## Education

Dr. A.P.J. Abdul Kalam Technical University

Bachelor's degree, Artificial Intelligence and Machine Learning · (August 2022 - July 2026)

Nirmala Convent Inter College

Intermediate · (July 2021 - May 2022)

Nirmala Convent Inter College

Matriculation · (June 2019 - May 2020)