

# ARPITA NAIK

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## Education

**A J Institute of Engineering and Technology** – Bachelor of Information Science and Engineering

CGPA: 8.51

Expected July 2026

## Objective

Enthusiastic software engineering student with strong academic performance. Seeking a position in a company where I can grow and ready to put all my learning into a test.

## Projects

**AI and ML project on Intelligent diagnosis of ophthalmology.** | Python, TensorFlow,

- Developed an AI-powered diagnostic tool using Python, Tensor Flow, and OpenCV to classify retinal diseases including cataract, diabetic retinopathy, and glaucoma, targeting early detection and support for ophthalmologists.
- Achieved 92% classification accuracy on a dataset of 4000+ retinal images by training CNN-based models and applying image segmentation techniques to highlight disease-affected regions.

**A machine learning project AI Plant Detection using image processing.** | Python, HTML, CSS, JavaScript

- Designed and trained a machine learning model for AI Plant Detection using image processing and deep learning techniques in Python (OpenCV, TensorFlow, Keras), achieving 89% classification accuracy across 4,000+ plant leaf images, and automated disease identification to enhance early diagnosis.

**Travel Assistant Chatbot using Artificial Intelligence.** | Java, HTML, CSS, Python, Flask, API

- Designed, developed, and deployed an AI-powered Travel Assistant Chatbot using Python, Flask, and third-party APIs, delivering real-time travel recommendations and booking support; integrated a user-friendly interface with Java, HTML, and CSS, achieving 85% response accuracy and reducing query resolution time by 40%.

## Certifications

- Completed certification in Web-development and Java-System Tron
- Successfully obtained certificates in SQL and Python-Infosys Springboard

## Volunteer Experience/Extracurriculars

**National Service Scheme**

July 2023 - present

- Active member of NSS and participated in all activities.
- Volunteered as many public programs apart from the syllabus.

## Skills

**Languages:** C++, C, Python, Java, SQL, CSS, HTML

**Databases:** MySQL

**Tools/Technologies:** Git, Eclipse, Excel, Netbeans, Jupyter Notebook

**Soft Skills:** Team work, Decision making, Communication