

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, OpenCV, SQL, Streamlit

- 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, JS

- 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

- Developed and deployed an AI-powered Travel Assistant Chatbot using Python, Flask, and third-party APIs to provide real-time travel recommendations and booking support.
- Integrated a responsive user interface with Java, HTML, and CSS, achieving 85% response accuracy and reducing query resolution time by 40%.

Certifications

- Completed certification in Java-[System Tron](#)
- Completed certification in Web-development-[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