

# Shreyanka A Y

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## SUMMARY

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I am a passionate final-year Computer Science student with a strong foundation in programming and software development. My areas of interest include Software Development, **Java Programming**, **Web Development**, and **Machine Learning**.

## PROJECT

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### Endometrial Cancer Analysis using Deep Learning

Academic Project • February 2025 - August 2025

- Designed and implemented a deep learning model using **EfficientNet-B7** and OpenCV to detect tumor, blood vessel, and stroma regions in histopathological images, improving accuracy of medical image analysis.
- Tech Stack:** Python, OpenCV, EfficientNet-B7, Deep Learning.

### University Management System

Personal Project • [github.com/Shreyanka-A-Y/UniversityManagementSystem.git](https://github.com/Shreyanka-A-Y/UniversityManagementSystem.git) • June 2025 - July 2025

- Built a **Java Swing-based desktop application** for managing student/faculty data, attendance, fees, and administrative tasks with JDBC and MySQL.
- Tech Stack:** Java Swing, JDBC, MySQL.

### Carbon Emission Prediction

Personal Project • [github.com/Shreyanka-A-Y/Carbon-Emissions-Prediction.git](https://github.com/Shreyanka-A-Y/Carbon-Emissions-Prediction.git) • April 2025 - May 2025

- Implemented a **machine learning model** to predict CO<sub>2</sub> emissions using historical data, energy usage, and economic indicators. •**Tech Stack:** Python, Flask, , Machine Learning.

### Blood Donation Management System

Hackathon Project • [github.com/AdvayaHackathon/57.Team\\_Sirius.git](https://github.com/AdvayaHackathon/57.Team_Sirius.git) • April 2025 - April 2025

- Built a healthcare platform to streamline blood donation with donor–recipient matching and emergency medical features. •**Tech Stack:** TypeScript, Next.js, Healthcare.

## EDUCATION

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### Bachelor of Computer Science and Engineering

Adichunchanagiri Institute of Technology • Chikkamagaluru - 577102 • 2026 • 9.48 CGPA

### Pre-University

St. Mary's PU College • Chikkamagaluru - 577102 • 2022 • 95%

### SSLC

JVS High School • Chikkamagaluru - 577102 • 2020 • 91%

## SKILLS

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- Programming language : Java, Python, C
- Frontend: HTML, CSS, JavaScript, React.js
- Backend & Frameworks: Flask, REST API
- Database : MySQL, MongoDB
- DevOps & Cloud Tools: AWS , Jenkins, Maven, Gradle, Git, GitHub.
- Machine Learning: TensorFlow, Scikit-learn, Model Training & Deployment

## **CERTIFICATIONS**

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### **Java Programming**

NPTEL • 2025

### **Web Development**

Teachnook • 2024

### **Python OOP**

Udemy • 2025

### **AWS Academy Cloud Architecting**

ICT Academy • 2025

### **Machine Learning**

NPTEL • 2025

## **Achievements & Involvements**

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**4th Place** – Ignitex Hackathon, BGSIT Mandya (2025)

**Best in Domain Award** – Code4Change Hackathon, GEC Hassan

**Salesforce Trailhead Badges** – Champion and Innovator

**Session Volunteer** – IEEE International Conference (ICAIT-24), AIT Chikkamagaluru (July 2025)

## **Languages**

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English

Kannada

Hindi(conversational)