

# MADHAVI HANCHATE

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AI & ML Student • Data Engineering • Full Stack Developer • Problem Solver • Software Engineering • Project Management

## SKILLS

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Languages & Frameworks | Python, Java   Flask   NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow/PyTorch               |
| Web & Mobile Dev       | HTML, CSS, JavaScript (Frontend)   Android Studio (Mobile)   MySQL (Database)                    |
| AI / ML                | Regression, Classification, Clustering   Model Evaluation   Feature Engineering   Data Pipelines |
| Tools & Design         | Git, GitHub   Jupyter Notebook   VS Code   Figma   Android Studio                                |
| Core Concepts          | Data Structures & Algorithms   OOP   Software Engineering   Project Management                   |

## EXPERIENCE

### Software Development Intern

2024

InternPe

Remote

- Developed and deployed real-world web features using **Python, Flask, HTML, CSS, and JavaScript**, following MVC architecture.
- Built and integrated **RESTful API endpoints** and connected them to a **MySQL** database for dynamic data handling.
- Followed complete **software development lifecycle (SDLC)** — from requirement gathering and design to testing and deployment.
- Collaborated with team members using **Git & GitHub** for version control and code reviews.
- Debugged and optimised existing modules, improving code quality and reducing runtime errors.

## PROJECTS

### 1. Aniscor — AI-Based Non-Invasive Anemia Screening System

- Developed an AI-enabled system for non-invasive anemia detection using **conjunctiva image analysis**.
- Applied **ML and image processing** (OpenCV) to extract features and predict anemia risk with **87% classification accuracy**.
- Built an interactive screening and result-visualization interface using **Streamlit**.
- Designed for scalability targeting **rural healthcare** where lab-based diagnosis is inaccessible.
- Tech Stack:** Python, OpenCV, Pandas, Scikit-learn, Streamlit

### 2. Students Attendance Management System

- Built a full-stack **web and mobile application** for real-time attendance tracking and management.
- Implemented **user authentication**, attendance marking, automated reporting, and data visualization features.
- Developed **responsive frontend** (HTML, CSS, JavaScript) and **REST API backend** (Flask + MySQL).
- Deployed mobile version using **Android Studio** with cross-platform UI consistency.
- Tech Stack:** Python, Flask, MySQL, HTML, CSS, JavaScript, Android Studio

## EDUCATION

### B.E. in Artificial Intelligence & Machine Learning

2023 – 2027 (3rd Year)

SDM College of Engineering & Technology (SDMCET), Dharwad

CGPA: 9.31

### PUC (12th)

94.3%

Samarthan PU College, Bagalkot

### SSLC (10th)

93.6%

Samruddhi Gurukul, Bagalkot

## EXTRACURRICULARS

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Event Coordinator & MC   | Hosted and coordinated college events ensuring smooth execution. |
| Dramatics Club Member    | Participated in stage performances and creative productions.     |
| Social Media Team Member | Contributed to content creation and digital engagement.          |

**Certifications:** Java Programming | Data Structures & Algorithms (DSA) | Figma Design

**Interests:** Reading Books | Yoga

**Languages:** Hindi | Kannada | English | Marathi