

Amruta Hegde

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Detail-oriented MCA student with skills in software development, full-stack web development, AI/ML, and database systems. Experienced in creating intelligent applications, computer-vision solutions, dashboards, and scalable web platforms. Combines analytical thinking with creativity to build efficient, user-focused software. Seeking roles in Software & Web Development, Software Engineering, or AI/ML Engineering.

EDUCATION:

Master of computer applications- Chanakya University, Bengaluru, India - CGPA:8.48

(Expected graduation-2026)

Bachelor of computer applications- JSS SMI Ug & Pg Studies, Dharwad, India - CGPA:9.16

(Graduated-2024)

SKILLS:

Programming: Python, Java, C, HTML, JavaScript

Web Development: Flask, Django, Node.js, Bootstrap

AI/ML & Data: Machine Learning, NLP, EDA, TensorFlow, NumPy

Databases: MySQL, MongoDB, PostgreSQL

Visualization: Tableau, Power BI, Matplotlib, Seaborn

Tools: Git/GitHub, VS Code, PyCharm, Eclipse

INTERNSHIP EXPERIENCE:

Full Stack Development Intern – SVARKS Information Technology LLP, Bengaluru (Apr 2024 – Jun 2024, 245 hrs): Built front-end interfaces, contributed to full-stack modules, worked with databases and APIs, used Git for version control, and strengthened skills in clean code, debugging, and development workflows.

CERTIFICATES:

Basic SQL and Python: Certified by HackerRank for demonstrating strong foundational skills in programming and Database concepts.

PROJECTS:

1. Online Intelligent Tourist System: Full-stack travel planning application with intelligent recommendations.

Tech Stack: Django, HTML, CSS, JS, Bootstrap, MySQL

2. AgroTracking – Smart Farm Management System: A hackathon project providing a unified dashboard for crop/field/activity management.

Tech Stack: React, Javascript, HTML, CSS, Flask, Python, SQLite, Git

3. AI-Driven University Assistant (Ongoing): Built an intelligent campus system with real-time face recognition attendance, Gemini-based chatbot, IoT automation, and database-driven user workflows. Implemented a robust computer-vision pipeline using HOG/CNN face detection and OpenCV real-time recognition for accurate automatic attendance marking.

Tech Stack: Python, Flask, OpenCV, face_recognition (dlib), SQLAlchemy, MySQL, Gemini LLM, IoT, REST APIs

ACADEMIC WORKS:

IPL Match Outcome Prediction: Built ML models (SVM, Random Forest) to predict match winners using Python, Pandas, Scikit-learn. Created visual insights using Matplotlib & Tableau.

Climate Change & Disaster Impact Analysis: Analyzed large-scale climate datasets using Python & Tableau to identify patterns/trends. Performed EDA, correlation analysis, and disaster impact evaluation.

EXTRA CURRICULAR ACTIVITIES:

- Skilled in photography, videography, and video editing with a creative approach to storytelling.
- Represented PU University in state-level ball badminton and state level Dasara sports events in ball badminton tournaments (2019-2020).
- Interested in drawing and painting as a creative pursuit.
- Contributed as a photographer for the university magazine, capturing events and campus moments.