

# Amruta Hegde

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LinkedIn: [Amruta Hegde](#) GitHub: [amrutahere08](#) Portfolio: <https://amrutahere08.github.io/>

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)

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## 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

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## 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.

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## CERTIFICATES:

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

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## PROJECTS:

- Online Intelligent Tourist System:** Full-stack travel planning application with intelligent recommendations.  
**Tech Stack:** Django, HTML, CSS, JS, Bootstrap, MySQL
- 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
- 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

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## 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.

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## 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.