

Amruta Hegde

Entry-level Full Stack Software Developer and MCA student with experience in building RESTful APIs, database-driven applications, and object-oriented systems.

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📍 Bengaluru

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INTERNSHIP EXPERIENCE

SVARKS Information Technology LLP - Full Stack Development Intern (April 2024 - June 2024)

Developed scalable Python backend services using OOP and clean coding practices. Built and tested RESTful APIs with CRUD operations across the SDLC. Used Git and code reviews to ensure code quality and maintainability.

EDUCATION

Chanakya University, Bengaluru, India

Masters of Computer Applications - 8.48

2024 - 2026

JSS SMI Ug & Pg Studies Dharwad, India

Bachelors of Computer Applications - 9.16

2021 - 2024

PROJECTS

1. AI-Powered University Assistant and Smart Campus Monitoring System [↗](#)

- Developed a **full-stack web application** using **Python and Flask**, implementing secure **RESTful APIs** and **role-based authentication**.
- Integrated **face recognition** and **emotion analysis** to automate attendance and generate real-time insights.
- Designed a **normalized relational database** with **12+ tables** using **SQLAlchemy ORM** for user profiles, attendance, and analytics.
- Built monitoring dashboards and integrated an **AI chatbot (Google Gemini)** for user interaction.
- **Impact:** Achieved **95% attendance accuracy**, reducing manual processing time by **80%**.

2. Online Intelligent Tourist System [↗](#)

- Developed a **Django-based tourist booking web application** using **Python, SQLite**, and **RESTful APIs**, following **MVC architecture**.
- Implemented **secure role-based authentication** for admins and users using Django authentication.
- Designed and managed the database using **Django ORM** to handle destinations, bookings, payments, and user feedback.
- Integrated search, booking workflows, and interactive maps to enhance user experience.

3. Smart Placement Management System [↗](#)

- Developed **backend services** using **Python and Flask** to handle concurrent user requests efficiently.
- Designed and implemented **RESTful APIs**, optimizing **database queries** to improve performance and response time.
- Applied **modular architecture**, ensuring **code reusability**, maintainability, and **data consistency** across the system.

SKILLS

- **Programming & Core Concepts:** Python, Java, SQL, SDLC, Debugging, Basic Data Structures & Algorithms
- **Backend & APIs:** Django, Flask, Node.js, RESTful APIs, CRUD Operations
- **Frontend Development:** HTML5, CSS3, Bootstrap, TailwindCSS, React
- **Databases & Data Handling:** MySQL, PostgreSQL, MongoDB
- **AI/ML Basics:** Machine Learning (Fundamentals), NLP (Basics), EDA, NumPy, OpenCV, TensorFlow (Introductory)
- **Testing & Quality Practices:** Unit Testing (Fundamentals), Code Documentation
- **Tools & Platforms:** Git, GitHub, VS Code, PyCharm, Jupyter Notebook, Docker (Introductory)

CERTIFICATIONS

Basic SQL - HackerRank [↗](#)

Basic Python - HackerRank [↗](#)

Artificial Intelligence Fundamentals - IBM SkillsBuild [↗](#)

SOFT SKILLS

Problem solving, Team collaboration, Time management, Adaptability, Willingness to learn.