Sadananda Krishna Hegde

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I'm an AI & ML undergraduate at UVCE, Bangalore, with strong skills in C, C++, Javascript, and Python. I have a solid understanding of data structures, algorithms, and computer networks, and I'm passionate about building scalable, real-world software solutions using modern development practices.

Technical Skills

- Languages: C, C++ , Python , javascript
- Software: Data structure and algorithms, Object Oriented Programming
- Tools: Git, MYSQL

Projects

intAI (AI Interviewer)

- Engineered a full-stack AI Career Coach application to automate and personalize the creation of job search materials, including tailored cover letters, resumes, and interview preparation questions. Leveraged a Python/Flask backend with Google's Generative AI for content creation and an SQLite database for persistence, all managed through a responsive JavaScript frontend. Demonstrated skills in full-stack development, API integration, AI prompt engineering, and database management for building real-world, AI-driven web applications.

Traffic Simulation – C++, OOP, STL:

- Developed an object-oriented traffic simulation system modeling intersections, vehicles, and traffic lights.
- Implemented priority-based traffic control, giving emergency vehicles immediate green lights using polymorphism and smart pointers for safe memory management.

Education

- SDM PU COllege, Honnavar, @2nd PUC [2022]
  - PCMC: 98%
- University of Visvevaraya College of Engineering, B.Tech in AIML
  [Expected Graduation: 2026]
  - CGPA: 9.03
  - Relevant Coursework: Data Structures & Design of Algorithms, Digital Image Processing, Digital System Design, Operating Systems & Computer networks, Artificial Neural Network & Machine Learning* (current semester).

Leadership & Activities

- Volunteer, IEEE UVCE's Impetus – Mock Placements