Harsha Jain HJ

Final year B.E in CSE-AIML, ATME College of Engineering, Mysuru

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Deeply driven by curiosity and a love for building smart, scalable systems, I specialize in engineering efficient solutions across AI, programming, and web development. With a solid foundation in engineering and a constant growth mindset, I approach every project with clarity, creativity, and rigor.

Experience

- Machine Learning Virtual Internship *May – July 2023*
  Academor, Mysuru remote
  - –Designed and deployed a Python-based game using Flask, increasing user engagement by 50% through interactive AI features.
  - –Streamlined project collaboration and ensured robust codebase management by integrating Git and GitHub workflows for three group ML projects.
  - –Improved ML model accuracy by 12% through iterative hyperparameter tuning and empirical optimization with TensorFlow.

- Hackathons *2022 – 2025*
  National/State Level offline
  - –**Participant:** Competed in 5+ major hackathons, including Tech Avishkar, Symbiot, Hack Kshetra, Fusion Techackation, and Code Battle, collaborating with diverse interdisciplinary teams.
  - –**Achievements:** Secured Winner position at "Invaders" (MIT, Mysuru) and reached Finalist tier in RVCExIITB CTF 24 (RVCE, Bangalore) among 1,000+ participants.

Education

- ATME College of Engineering, Mysuru *2022 – ongoing*
  Bachelor of Engineering in CSE-AIML CGPA: 8.94
- Sadvidya Semi-Residential PU College, Mysuru *2020 – 2022*
  Pre-University Education 93%
- Amrita Vidyalayam, Mysuru *2008 – 2020*
  10th CBSE 90%

Skills

- **Technical:** Python, Java, HTML/CSS, TensorFlow, Git, GitHub, VS Code
- **Database:** MongoDB, Firebase
- **Soft Skills:** Analytical Thinking, Adaptability, Teamwork, Initiative

Projects and Key Achievements

- **FINT - Food Image and Nutritional Tracker**
  - –Developed real-time detection of 150+ Indian dishes using VGG-16.
  - –Tech stack: Vgg-16, tensorflow, streamlit.
- **Move Mentor - College Bus Transportation Web App**
  - –real time ML-based college bus tracking and management web application.
  - –Tech Stack: Firebase, Random-forest-regressor,GoogleMaps-API,HTML,js
- **Melanocytic-Nevi Classification System**
  - –Used ResNet50 architecture and transfer learning to classify skin conditions.
  - –Tech Stack:resnet-50(and other models for comparison), tensorflow, python.
  - –Published findings in peer-reviewed IGMIN Journal.
    - ∗Published Article Link