

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 crafting efficient solutions across AI, core programming and web development. With a strong foundation in engineering and a mindset focused on constant growth, I approach every project with clarity, responsibility, and creativity.

EDUCATION

•Bachelor of Engineering in CSE-AIML

2022-ongoing

ATME college of Engineering, Mysuru

CGPA: 8.94

PROJECTS

•FINT - Food Image and Nutritional Tracker 🐙

A Model which can identify the Indian food and mention its nutritional values to the user.

- Developed a CNN-based model (VGG-16) to recognize food images and provide nutritional information.
- Integrated real time image processing to identify various food items accurately.
- Implemented a user-friendly interface for seamless interaction with the system.

•Move Mentor - College Bus Transportation Web App 🐙

A real time ML-based college bus tracking and management web application.

- Used Firebase Authentication to facilitate Authentication along with Cloud Firestore to store data.
- Consided multiple parameters under random-forest-regressor thus increasing the efficiency of the model
- Technologies Used: Firebase, Random-forest-regressor,GoogleMaps-API,HTML,js

•Melanocytic-Nevi classification System using transfer learning 🐙

An ML based diagnosis solution for Melanocytic-Nevi.

- Used ResNet50 architecture and transfer learning to classify skin conditions.
- Used Image and pattern recognition techniques to clearly classify melanocytic lesions and normal skin.
- Technologies Used: resnet-50(and other models for comparison), tensorflow, python.
- "Publication Link"

EXPERIENCE

•Machine Learning Virtual Internship

May - July 2023

Academor

remote

- In-depth understanding of the fundamentals of Python along with libraries like TensorFlow and frameworks like Flask.
- Hands-on experience in deploying a successful dynamic game made extensively using Python.
- Learned basics of Machine Learning along with understanding of deep learning (some pre-trained CNNs).

•Hackathons

2022-2025

Participation and results at national and state-level hackathons

offline

- **Participant:** “Tech Avishkar” at ATMECE, Mysuru ; “Symbiot” at VVCE, Mysuru ; “Hack Kshetra” at VVCE, Mysuru ; “Fusion Techackation” at AIET, Mangalore ; “Code Battle” at KLS-VDIT, Haliyal-25
- **Achievements:** “Invaders” at MIT, Mysuru — *Winner’s*; “RVCEXiITB CTF 24” at RV College of Engineering, Bangalore — *Finalists*

SKILLS

Languages: JAVA, Python, HTML+CSS

Libraries : Tensorflow

Version control and project management: VScode, Git, Github

Cloud/Databases:MongoDb, Firebase

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

LANGUAGES KNOWN

•**Fluent in:**English | Kannada | Hindi

•**Mother Tongue:**Tulu