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.
– Considred multiple parameters under random-forest-resgressor 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
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

LANGUAGES KNOWN

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

•**Mother Tongue:**Tulu