

KAKARLA LAKSHMI BHARGAVI

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EDUCATION

- Vellore Institute of Technology, Amaravathi** CGPA: 8.68
B.Tech Computer Science and Engineering (AI and ML) 2021 - 2025
- Narayana Junior College** Percentage: 88.1
Intermediate - Maths — Physics — Chemistry (BIEAP) 2019 - 2021
- Narayana Concept School** CGPA: 10
The Board of Secondary Education of Andhra Pradesh (BSEAP) 2019

SKILLS SUMMARY

- Languages:** Java , Python
- Technical Skills:** SQL, Data Structures, Object Oriented Programming, Database Management Systems , Cloud Computing, Software development Life Cycle
- Technologies:** Html, Css, JavaScript
- Academic Courses:** Machine Learning algorithms, Deep Learning Models, Natural Language Processing (NLP), Reinforcement Learning
- Libraries:** Machine Learning libraries (Tensorflow, Keras, PyTorch)
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- Botanical Taxonomy Classifier**
Technologies used: Python, CNN, Transfer learning models and machine learning algorithms
 - Implementation:** Developed a machine learning model for plant species classification based on visual characteristics, utilizing convolutional neural networks (CNNs) for image recognition. The project involved in collecting and preprocessing botanical images, implementing data augmentation, and training a CNN model to classify plants at the species level.
- Spam Guard Analyzer**
Technologies used: NLP techniques, scikit-learn, NLTK, TF-IDF, deep learning models
 - Implementation:** Designed using NLP techniques and various machine learning algorithms, including Naive Bayes, Decision Trees, Support Vector Machines, and Ensemble methods. Implemented over 10 different models, achieving 97percent accuracy.
- Citizen Journalism Platform**
Technologies used: CSS, Reactjs, MongoDB, Backend Frameworks
 - Implementation:** (A News Article Website) - Built a news article website using web applications offering a platform to share the information regarding the issues for wide range spread in the surroundings. Crud operations are performed by using html,css and Js as frontend development.
- Gesture Glance Recognition**
Technologies used: NumPy, Matplotlib, TensorFlow, Keras, deep Learning algorithms
 - Implementation:** Created a hand gesture recognition system using deep learning , leveraging ResNet and MobileNet for real-time classification of hand gestures. Implemented the application using TensorFlow, OpenCV, and Flask to enable gesture-based interaction for smart devices and human-computer interaction.

WORK EXPERIENCE

- IntrainTech IIT Summer Internship** Sep2024 to Dec 2024
- Lumpy Skin Disease Prediction using XAI**
 - Worked on developing a XAI model to predict Lumpy Skin Disease in livestock, using Explainable AI to enhance transparency and interpretability. Enabled early detection and improved disease management by identifying key risk factors.
 - Tools:** Python, Scikit-Learn, SHAP

CERTIFICATIONS

- MERN-FULL STACK:** Gained hands-on experience in building full-stack web applications using MongoDB, Express.js, React.js, and Node.js. Applied knowledge of RESTful APIs, CRUD operations, routing, and user authentication.
- AWS Cloud-Practitioner:** Demonstrated foundational knowledge of cloud computing concepts to Understand cloud security, pricing models, and basic architecture principles.

CO-CURRICULAR ACTIVITIES

Team Lead of Next Gen Cloud at VIT-AP , 2023 - 2024