

Shashikanth Guduri

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Experience

ML Intern, DRDO –Hyderabad

March 2025 – Present

- Gained hands-on experience with neural network architectures such as CNNs, RNNs, and DNNs, with emphasis on model evaluation and deployment.
- Collaborated with senior scientists to learn ML algorithms
- Developed and trained deep learning models using TensorFlow, focusing on real-world datasets and performance optimization.

Projects

Skin Disease Classification Model using the HAM10000 Dataset

- Built a CNN-based skin disease classification model using the HAM10000 dataset, classifying images into 7 skin lesion categories with over 90% + accuracy.
- Implemented MobileNetV2 with transfer learning and fine-tuning, along with extensive data augmentation and preprocessing to improve generalization and performance.
- Analysed and addressed model overconfidence through evaluation metrics, visualization, and model calibration techniques

EchoScribe : Seamless Audio Transcription Tool

- Developed a real-time multilingual audio transcription tool using Python & Flask.
- Integrated Vosk , Helsinki-NLP, and T5-based Punctuation Models for accurate speech-to-text conversion
- Enabled seamless translation and grammatical corrections in English
- Achieved 95%+ accuracy in transcription and improved processing time by 30%

TODO List using React and Vite

- A simple and responsive Todo List Application built using React and Tailwind CSS, demonstrating best practices in component-driven development and modern styling techniques.
- Add, edit, and delete tasks seamlessly and Mark tasks as completed for better tracking

Education

Sreyas Institute Of Engineering and Technology

Nov 2021 – Jul 2025

B. tech in Computer Science& Engineering(AI&ML)

- GPA: 7.28/10.0

Technologies

Languages: Python, Java, C, JavaScript

Web Development: HTML, CSS, JavaScript, React.JS, Node.JS

AI & Machine Learning: NLP, Deep Learning, Data Preprocessing

Databases & Tools: SQL, MongoDB, Git

Soft Skills: Problem Solving, Communication, Teamwork

Certifications

- **Data Structures & Algorithms-Smart Coder** – Smart Interviews
- **Full Stack Web Development** – Udemy
- **Python & Flask Framework** – Udemy