

BALNE SAI VIGNESH

AI/ML & Software Engineer

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VIRTUAL INTERNSHIPS

AI-ML

AICTE - EDUSKILLS

📅 July 2024 - September 2024

- Gained hands-on experience in machine learning, deep learning, and AI model deployment.
- Built and trained ML models using TensorFlow and Keras.

Android Development

AICTE - EDUSKILLS

📅 July 2024 - September 2024

- Gained experience in Android app development using Kotlin.
- Built responsive mobile applications with modern UI/UX principles.

PROJECTS

Ayurbot – AI-Driven Personalized Ayurveda Advisor

- Developed a Streamlit - based web application for Ayurvedic prakriti (body constitution) analysis.
- Integrated user-friendly UI for interactive and customized health assessment.

SIGN BRIDGE – AI-Integrated Real-Time Sign Language Recognition

- Built a web application for real-time sign language recognition using OpenCV, MediaPipe and TensorFlow.
- Implemented gTTS for speech output, enhancing accessibility.

AI-Powered CGPA Predictor with Study Advice Chatbot

- Built a Python-based CGPA calculator with a simple and intuitive interface.
- Integrated an AI-powered chatbot to provide personalized study advice and academic guidance.

AI-Based Artwork Restoration System

- Designed a deep learning model for digitizing and restoring traditional artwork.
- Utilized pre-trained image inpainting techniques GANs.

EDUCATION

B.Tech

CSE - AIML

Sreenidhi Institute of Science and Technology

📅 November 2022 - current

📍 Ghatkesar, Telangana

🎓 CGPA: 8.07

SKILLS

- **Programming Languages:** Python, C++, Java, Kotlin, HTML, CSS
- **Frameworks & Libraries:** TensorFlow, OpenCV, Streamlit
- **Tools & Platforms:** GitHub, MySQL
- **Soft Skills:** Problem-Solving, Teamwork, Communication

COURSES

- SQL (Basic, Intermediate and Advanced) - HackerRank

CERTIFICATIONS

- INEX (India International Innovation and Invention Expo) 2023 - Bronze award, for the innovation "A website which has a chatbot which identifies our prakriti and gives medical advices to maintain health"