

# ALEXA KURAPATI

Guntur, Andhra Pradesh, India | kurapatialexa@gmail.com | 221128@iiit.ac.in | +91-9059295874 | GitHub: [github.com/Alexa6756](https://github.com/Alexa6756)

---

## PROFESSIONAL PROFILE

Aspiring AI engineer with strong foundational skills in artificial intelligence, machine learning, deep learning, and computer vision. Experienced in developing real-world projects. Passionate about building intelligent systems that are impactful, scalable, and aligned with user-centric design. Proficient in Python and modern ML frameworks with a keen interest in continuous learning and innovation.

---

## EDUCATION

**Bachelor of Technology (B.Tech), Computer Science and Engineering** Indian Institute of Information Technology (IIIT), Tiruchirappalli

CGPA: 8.2 / 10 | 2022 – 2026

---

## TECHNICAL SKILLS

- **Primary:** Python, Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, NLP
  - **Secondary:** SQL, Data Preprocessing, Model Evaluation Techniques, Basic Data Analytics
  - **Frameworks & Tools:** TensorFlow, PyTorch, NLTK, Scikit-learn, OpenCV, Pandas, NumPy, Git
- 

## PROJECTS

### AI Chatbot

- Developed an AI-powered chatbot using Natural Language Processing (NLP).
- Implemented intent recognition and response generation using NLTK and TensorFlow.
- Deployed the chatbot as a web application for seamless user engagement.

### Soil Image Classification using EfficientNet

- Built a CNN-based classifier using EfficientNet-B4 for multi-class soil classification.
- Applied advanced image augmentation techniques using Albumentations.
- Achieved 97.5% F1-score for soil identification and 100% F1-score for soil type classification.

### Face Anti-Spoofing System

- Built a real-time face authentication system using convolutional neural networks.
  - Utilized Grad-CAM for model interpretability and integrated webcam input for spoof detection.
  - Achieved 98.2% classification accuracy and 97.5% F1-score for the face anti spoofing system.
- 

## VOLUNTEERING & EVENTS

### Atrang – Event Organizer, IIIT Trichy

- Played a key role in planning, coordinating, and successfully executing institute events.

### Member, Literary and Debate Club, IIIT Trichy

- Actively participated in debates, discussions, and literary competitions.