

JHANSILAXMI NEERUDI

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OBJECTIVE

Computer Science graduate with expertise in programming, data structures and algorithms. Proven experience in developing AI and ML projects. Technical skills combined with strong problem-solving abilities and adaptability for software development and data-driven roles.

EDUCATION

B.Tech in Computer Science , JNTUH University College of Engineering Sultanpur	2021–2025
CGPA: 7.34/10	
Intermediate , TSWRCOE, Karimnagar	2019–2021
Percentage: 96.4/100	
10th Class , TSWRCOE, Karimnagar	2018–2019
GPA: 9.8/10	

EXPERIENCE

Internship — Machine Learning — Remote IBM SkillsBuild	Oct 2024 – Nov 2024
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- Built and deployed an ML model predicting employee salaries with 95% accuracy using Python and Google Colab.
- Developed essential soft skills in teamwork, communication, problem-solving, adaptability, leadership, and a strong work ethic, contributing significantly to professional growth.

PROJECTS

AI Virtual Mouse	Feb 2025 – Jun 2025
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Tech Stack: Python, OpenCV, MediaPipe, PyAutoGUI, Pycaw, SpeechRecognition, Tesseract OCR
Developed a touch-free virtual mouse controlled via hand gestures and voice commands for cursor movement, clicks, scrolling, volume/brightness control. Integrated OCR for text interaction to enhance accessibility.

Human Scream Detection and Analysis for Controlling Crime Rate	Nov 2024 – Jan 2025
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Tech Stack: Python, MFCC, K-Nearest Neighbors (KNN), Multilayer Perceptron (MLP), Twilio API
Built a three-phase audio classification system to distinguish screams, shouts, and speech from background noise using MFCC features and machine learning models (KNN, MLP). Achieved 93% accuracy and integrated Twilio API to send real-time emergency alerts to police stations.

SKILLS

Programming Languages	C, Java, Python, C++
Frameworks/Libraries	Spring Boot, NumPy, Pandas, Django
Web Technologies	HTML, JavaScript, REST APIs, CSS
Cloud	AWS (Basic Services)
AI/ML	Machine Learning, Generative AI, Computer Vision
Developer Tools	Google Colab, Visual Studio Code, Microsoft Office Suite
Version Control	Git, GitHub
Soft Skills	Communication Skills, Problem-Solving Skills
Academic Coursework	Data Structures and Algorithms, Machine Learning, DBMS, Software Engineering, Algorithms, Artificial Intelligence, Computer Vision

LANGUAGES

English (Fluent), Hindi (Conversational), Telugu (Native), Thai (Conversational), Italian (Basic), Korean (Basic)