

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

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|---|-----------|
| 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

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|---|---------------------|
| Internship — Machine Learning — Remote | Oct 2024 – Nov 2024 |
| IBM SkillsBuild | |
| <ul style="list-style-type: none">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

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|---|---------------------|
| AI Virtual Mouse | Feb 2025 – Jun 2025 |
| 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 |
| 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

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|------------------------------|--|
| 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)