

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

## SKILLS

<b>Programming languages</b>	C,Java,Python,C++,HTML,JavaScript
<b>Frameworks/Libraries</b>	NumPy,Pandas,Django
<b>Databases</b>	MySQL
<b>Developer Tools</b>	Github,Google colab,Visual studio code
<b>Academic Coursework</b>	Data Structures,Opearting system(Window,Unix/Linux),Machine learning,DBMS,OOP,Software Engineering.
<b>Artificial Intelligence</b>	
<b>Machine Learning</b>	
<b>Computer Vision</b>	

## EXPERIENCE

<b>Internship—Machine Learning — Remote</b>	October 2024
IBM SkillsBuild	

- Developed and deployed the "Predict employee salaries," task using Python, Google colab.
- Developed essential soft skills in teamwork, communication, problem-solving,, adaptability, leadership, and a strong work ethic, contributing significantly to my professional growth

## PROJECTS

### AI VIRTUAL MOUSE

Designed a machine learning system to detect human screams from audio signals using feature extraction (MFCCs, spectrograms), and ML classifiers. Implemented a real-time alert mechanism to support crime prevention and public safety.

### Human Scream Detection and Analysis for Controlling Crime Rate

Developed an AI-powered virtual mouse using Python, OpenCV, and MediaPipe with hand gesture and voice control for cursor actions, scrolling, volume/brightness, and app management. Integrated OCR for text interaction, creating a touch-free and accessible computing solution.

## CERTIFICATION

- Machine Learning, IBM SkillsBuild
- Data science, Oasis InfoByte

## **HOBBIES**

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- Problem solving and Coding Competition
- Reading Books
- Chess
- Learning new speaking languages
- Puzzles

## **LANGUAGES**

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

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