

# ENGILI ARAVIND

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## Objective

To obtain a challenging position as a Python Full Stack Developer where I can leverage my skills in Python, Django, React.js, and modern web technologies to build scalable, user-focused applications and contribute meaningfully to a dynamic development team.

## Education

**Marri Laxman Reddy Institute Of Technology And Management**

**Nov 2021 – May 2025**

*B.Tech in Electronics and Communication Engineering*

*Hyderabad, Telangana*

## Relevant Coursework

- Python
- Database Management
- Digital Signal Design
- Machine Learning
- VLSI
- Embedded Systems

## Experience

**Codegnan IT Solutions**

**June 2025 – Present**

*Python Full Stack Trainee*

*Hyderabad, Telangana*

- Developed and maintained web applications using Python (Django/Flask) for backend and React.js/HTML/CSS/JavaScript for frontend development.
- Built and consumed RESTful APIs, implemented authentication and authorization features using Django's built-in mechanisms and third-party libraries.
- Integrated relational (PostgreSQL, MySQL) and non-relational (MongoDB) databases, including writing complex queries, schema design, and using ORMs such as Django ORM and SQLAlchemy.
- Collaborated using tools like GitHub, followed Agile development practices, and participated in code reviews and daily stand-ups.

## Projects

**Human Scream Detection and Analysis for Controlling Crime Rate** | *Python, pandas, Machine Learning* **Feb 2025**

- Collected and preprocessed audio data to identify human screams using signal processing techniques.
- Extracted features like MFCC and trained ML models (SVM, Random Forest) for accurate scream detection.
- Implemented real-time scream detection system for use with microphones or surveillance audio.
- Analyzed detection patterns to highlight high-risk areas and support faster law enforcement response.

**Payroll and Employee Database Management System** | *Python, Flask, PostgreSQL*

**Sep 2024**

- Developed a system to securely store employee data including job roles, attendance, and salary.
- Automated salary calculations based on hours, tax rules, bonuses, and deductions.
- Ensured compliance with payroll laws including PF, ESI, and income tax deductions.

## Technical Skills

**Languages:** Python, C, HTML/CSS, JavaScript, SQL  
**Developer Tools:** VS Code, CodePen, Android Studio  
**Technologies/Frameworks:** Git, GitHub, WordPress, React.js

## Soft Skills

Strong communication skills  
Fast learner and highly adaptable  
Team player with a collaborative mindset  
Good time management and task ownership

## Leadership

**Club-64**

**Jan 2022 – May 2024**

*President*

*MLRITM*

- Led and organized technical and cultural events to promote student engagement and skill development.
- Coordinated with faculty and peers to plan workshops, hackathons, and guest talks.