

Kamireddy Thishalini

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PROFESSIONAL SUMMARY

Aspiring Python developer with a solid foundation in object-oriented programming and experience with Django fram web technologies (HTML, CSS, JavaScript). Passionate about solving real-world problems through clean and scalable code. Looking for an opportunity to apply technical skills and grow in a dynamic and challenging environment.

TECHNICAL SKILLS

- **Programming:** Python (Skilled in Python with strong foundation in OOP, data structures, and problem-solving.), JavaScript
- **Frameworks:** Django
- **Web Development:** HTML, CSS
- **Databases:** MySQL basics
- **Platforms:** PyCharm, Visual Studio Code, IDLE

PROJECT EXPERIENCE

1. Human Activity Recognition (Sleep Fall)

- Built a deep learning model using CNN and BiLSTM to classify sleep postures and detect fall activities from sensor data, achieving 96% accuracy on time-series inputs.
- Analyzed results with a confusion matrix to ensure reliable real-time detection, helping improve safety in healthcare and assisted living.

2. Task Manager Web App

- Developed a Django-based CRUD application with user authentication to manage tasks.
- Enabled secure creation, editing, and completion tracking of user tasks.

CERTIFICATIONS

Python Full Stack Development in FIIT, Avadi

- Completed a comprehensive training program covering Python, Django, HTML, CSS, JavaScript to build full-stack web applications.
- Developed multiple projects, including a task manager and a personal portfolio website.

Implant Training in Biomedical Engineering at Bloomlife Hospital, Velachery

- Gained hands-on exposure to essential medical equipment and patient care technologies, including ECG machines, defibrillators, BP monitors, and neonatal incubators.
- Observed operational workflows and understood how biomedical devices support clinical diagnostics and continuous patient monitoring.

ACADEMIC HIGHLIGHTS

- Awarded certificate of merit in National Level Technical Symposium at Velammal Institue of Technology (2024).
- Attended an Ergonomics Workshop (2024), gained knowledge of ergonomic design and applied them to optimize chair comfort and posture support.

EDUCATION

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| • Bachelor of Technology in Biomedical Engineering | 8.0 CGPA |
| Vel Tech University, Chennai | 2022-2026 |
| • Higher Secondary Education | 7.5 GPA |
| Sri Krishna chaitanya Junior College | 2019-2021 |
| • Secondary School Certificate | 9.8 GPA |
| Sri Chaitanya E.M School | 2018-2019 |

HACKATHON

- Participated in Smart India Hackathon (2025), presenting an idea for a portable EEG model aimed at cognitive analysis and mental health assessment.
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