

NARREDDY RISHITHA

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 <https://github.com/narredyrishitha>

OBJECTIVE

Innovative and results-driven professional with expertise in Java, Python, SQL, and web technologies, combined with hands-on experience in machine learning, computer vision, and sustainability-focused innovation. Passionate about problem-solving and continuous learning, seeking a opportunity to apply my skills in a dynamic, collaborative environment to drive meaningful impact.

EDUCATION

Kalasalingam Academy of Research and Education, Krishnan Koil	2022 – Present
Bachelor of Technology in Computer Science and Engineering (CGPA – 9.21/10.0)	[Virudhunagar, T.N.]
Narayana Junior College	2022
Pre-University Course (Percentage: 91.9%)	[Proddatur, A.P.]
Aditya High School	2019-2020
Secondary Schooling (Percentage: 95.16%)	[Proddatur, A.P.]

SKILLS AND INTERESTS

- **Technical Skills:** Java, Python, SQL
- **Areas of Interest:** Swing, building applications using Java & Web Technologies, Data structures and Algorithms
- **AI & ML:** Machine Learning, Natural Language Processing
- **Web Technologies:** HTML, CSS, Node.js, React (frontend + backend)
- **Soft Skills:** Peer Learning, Problem solving, Mentoring, Leading & Organizing, Inter Personal communication

PROFESSIONAL EXPERIENCE

Research Intern Multicore Wave (MCW)	Jun 2024-Dec 2024
<ul style="list-style-type: none">• Annotated 4,000+ images using Label Studio to enhance dataset quality for machine learning models.• Applied data augmentation techniques to address class imbalances and improve model performance.	

PROJECTS

Gesture-Based Computer Control System

- Developed an HCI system enabling seamless computer navigation through hand gestures and voice commands, integrating MediaPipe for real-time hand tracking and speech recognition
- Implemented key functions like volume control, tab switching, and scrolling with multithreading for real-time responsiveness
- **Exposure:** Python, OpenCV, MediaPipe, PyAutoGUI, Speech Recognition

Tic Tac Toe Game

- Developed a feature-rich Tic-Tac-Toe game using Java, integrating a MySQL database for player profile management
- Implemented logic for detecting winning patterns in the 3x3 grid and designed a scalable GUI for player registration and gameplay, persistent player profiles with database notifications, replay and exit options after each game
- **Exposure:** Core Java, Swing, JDBC, SQL

Aspect-Based Sentiment Analysis System

- Developed a web-based system using Python and Flask for analyzing product feedback with aspect-based sentiment analysis
- Integrated text translation, sentiment analysis, and polarity score calculation for multilingual feedback interpretation
- Designed a user-friendly GUI supporting manual text input and file uploads (CSV, DOCX, TXT) for bulk analysis
- **Exposure:** Python, Flask, HTML, CSS, JavaScript, Pandas, TextBlob, Transformers, NLTK, SpaCy, Google Translate API

ACHIEVEMENTS & CERTIFICATIONS

- **Introduction to Neural Networks and PyTorch – Coursera (IBM)** : Completed a course on neural networks and deep learning using PyTorch, covering model training, backpropagation, and optimization techniques [Link](#)
- **Database Management Systems - CodeChef:** Covered fundamental concepts of database design, SQL queries, normalization, and transaction management for efficient data handling [Link](#)

POSITION OF RESPONSIBILITY

Co-Lead Placements and Career Tutelage (PACT)	Dec 2024 – Present
<ul style="list-style-type: none">• Assisted the lead in organizing mock interviews, group discussions, training, and mentoring for pre-final and final-year students to support placements• Supported a 40-member team in executing events, enhancing teamwork and operational efficiency of PACT• Coordinated with industry experts to arrange guest lectures, providing learning and networking opportunities.	
Co-Secretary KARE Open Source Society (KARE – OSS)	July 2024 – Present
<ul style="list-style-type: none">• Assisted in organizing events, managing operations, and fostering collaboration within the open-source community.	

PATENT PUBLICATION

Waste to Solar Conversion System

- Designed a hybrid system integrating solar energy and waste incineration for sustainable electricity generation.
- Utilized solar concentrators to enhance combustion efficiency, reducing landfill waste and pollution.