

# Karne Karthikeshwar Reddy

Portfolio: <https://mr-thop.github.io/Karthik-Reddy>

Github: [github.com/Mr-Thop](https://github.com/Mr-Thop)

Email: [reddy.karthik0314@gmail.com](mailto:reddy.karthik0314@gmail.com)

Mobile: +91-9966408139

## EDUCATION

- **DDMS P OBUL REDDY PUBLIC SCHOOL** Hyderabad, India  
*Higher Secondary Education; Percentage : 95.8* June 2021- March 2023  
*Courses: Python , MySQL , Maths , Physics , Chemistry , English*
- **Symbiosis Institute of Technology** Pune, India  
*Bachelor of Technology- Artificial Intelligence and Machine Learning; GPA: 8.53* August 2023- June 2027  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS SUMMARY

- **Languages:** Python, HTML , CSS, C, JavaScript, SQL, JAVA
- **Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Flask , Langchain
- **Tools:** Docker, GIT, PostgreSQL, MySQL, SQLite , HuggingFace
- **Platforms:** Linux, Web, Windows, GCP , Streamlit Cloud, Aiven
- **Soft Skills:** Leadership, Event Management, Writing, Time Management

## EXPERIENCE

- **GDG Android Coordinator** SIT  
*Student Developer (Full-time)* October 2024 - Present
  - **Discussion Forum Upgrades:** Refactor forum for performance to handle large databases.
  - **REST API for Discussion Forum:** Symphony & Twig based Forum parts converted to API-first interface.
  - **Ratchet PHP WebSocket:** Implemented a WebSocket for low-latency real time exchange of posts and thread updates.
- **Prodigy and Vault of Codes** Remote  
*Machine Learning and Data Science Intern* 2024 - Present
  - **Machine Learning Projects:** Worked on ML models involving classification, regression, and predictive analytics.
  - **Data Analysis:** Conducted exploratory data analysis and visualization using Python and PowerBI.

## PROJECTS

- **FarmIQ – AgriTech Platform (AI, Agriculture, NLP, Computer Vision):** (Work in progress) An end-to-end platform empowering smallholder farmers with AI-powered analysis. Tech: Flask, React, PostgreSQL, LangChain, TensorFlow, MySQL (May '25)
- **DealPool – Group-Based Offer Pooling (E-commerce, Web Development):** Innovative startup concept enabling users to pool shopping deals for better bulk discounts. Tech: React, Node.js, MongoDB, Express, TailwindCSS. (December '24)
- **LearnGenie – AI EdTech Assistant (NLP, Education, AI):** Personalized learning assistant utilizing NLP and OpenAI to recommend study materials. Tech Stack: Python, Flask, NLP, LangChain. (February '24)
- **Data2Model – No-code ML Model Training Platform (Machine Learning, Automation):** Comprehensive ML platform for training different machine learning models with a single click. Tech Stack: Python, TensorFlow, Scikit-learn, Flask, React. (March '25)
- **Recruit Edge – Company Automation Software (LLMs, HR Tech):** Smart assistant using LLMs to analyze and match profiles to job descriptions, ranking candidates based on fit. Tech Stack: Flask, React, PostgreSQL, LangChain, TensorFlow, MySQL. ( February '25)
- **Hindustani vs Carnatic Audio Classification (Audio Processing, Machine Learning):** Developed an ML model to classify Hindustani and Carnatic music using audio features; deployed via Streamlit. Tech Stack: Python, Librosa, Scikit-learn, Pandas, Streamlit.( July '24)

## PUBLICATIONS

- **Probability in Gambling (Mathematical Modelling, Strategy):** A research-based presentation on probability concepts in gambling, covering Martingale strategy, Law of Large Numbers, and real-world applications. (October '24)

## HONORS AND AWARDS

- Grand Finalist at New India Vibrant Hackathon 2023
- Finalist at Aarambh Season 1 (Entrepreneurial Meet) at SBUP Pune
- 3rd Place at Aarambh Season 2 (Business Pitching Competition)- 2025
- Finalist at Entrepreneurial Meet at BITS Pilani, Goa Campus
- Finalist at The Better Hackathon , WeWorkSpaces