

Neelamsetti Harikrishna

 [github.com](#) |  [linkedin.com](#) |  harikrishnaneelamsetti@gmail.com |  8019655373

EDUCATION

National Institute of Technology Rourkela, India

Bachelors of Technology in Computer Science and Engineering [Grade Card](#)

Jul 2021 - Jun 2025

GPA: 9.02/10.0

EXPERIENCE

Dassault Systems

Software Engineer -Apprentice

August 2025 - Present

- Developed a document processing pipeline using **LangChain** and **Mistral Small**, applying text chunking and embeddings for semantic comparison to handle large (40+ page) documents.
- Enhanced PDF extraction by integrating **pdfplumber** for digital text and **Docing OCR** for image-based content, ensuring accurate and complete data extraction.
- Gained hands-on experience with **LLMs, embeddings**, and the concepts of **Retrieval-Augmented Generation (RAG)**.

Technocolabs Softwares Inc

Full Stack Developer, Internship

May 2024 - July 2024

Github & Certificate

- Spearheaded the development and management of the ticket view component using **React**, ensuring timely and efficient delivery while collaborating closely with the team.
- Built the ticket search and creation features with **React** for frontend and **MongoDB** for database integration, making it easier for users to find and create tickets quickly.
- Managed backend systems using **Node.js** and **Express** to build and integrate **RESTful APIs**, and successfully deployed the project while using **GitHub** for version control and team collaboration.

PROJECTS

Classification of Lung Sound Signals

Prof. Punneth, NIT Rourkela

March 2024 - April 2024

Github

- Worked on classifying lung sound signals using **STFT** features and 2D **CNNs**, extracting spectral features and designing an efficient CNN architecture for high classification accuracy.
- Performed hyperparameter tuning and evaluation using precision, recall, and F1-score, and applied **Random Forest Classifiers** to improve feature extraction and classification performance.
- Tools and Technologies: **Python, TensorFlow, Pandas, Numpy, Keras Tuner, Flask**.

OurChat

Individual Project

Jun 2024- July 2024

Github

- Developed a real-time chat application using the MERN stack, allowing users to register, log in, set avatars, and exchange messages instantly via Socket.IO.
- Designed a responsive and intuitive user interface for seamless chat experiences across devices, including contact management and session persistence.
- Tech Stack Used: **React.js, Node.js, Express.js, MongoDB, Socket.IO, Axios, HTML, CSS, JavaScript**.

ACHIEVEMENTS/CERTIFICATIONS

Leetcode

Achieved **Knight** badge for being top **4%** in global Leetcode competitive programming. 2024

Codechef

3-Star with a rating of 1721 and achieved a global rank of **269** in Division 3. 2024

Leetcode and GeeksforGeeks

Practiced over **700 problems** in total on DSA concepts. 2024

Machine Learning Intern

Worked on diverse datasets including Iris, House Price, Spam, and Movie Recommendations through Codesoft and Bharat Intern. 2024

TECHNICAL SKILLS

Python Web technologies: Flask(Web Framework), Django

Programming languages: Cpp, C, Python

ML/AI: Pandas, Matplotlib, Numpy, Sklearn, Tensorflow, Flask

Tools & Technologies: Git, GitHub, Docker, Postman, VSCode

Databases: SQL, MySQL, MongoDB

Web Technologies: HTML, CSS, JavaScript, Node.js , Express.js

RELEVANT COURSEWORK

Computer Science: Data Structures and Algorithms(DSA), Database and Management Systems, OOPs, Data Science, Operating Systems, Deep Learning, Computer Vision, Machine Learning

POSITIONS OF RESPONSIBILITY

Volunteer , National Service Scheme:

Organized community service events and promoted social welfare and environmental awareness.

2022 - 2024