

# Neelamsetti Harikrishna

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## 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 Systemes

August 2025 - Present

Software Engineer -Apprentice

- 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 **Docling 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

May 2024 - July 2024

Full Stack Developer, Internship

*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 **Git** for version control and team collaboration.

## PROJECTS

### Classification of Lung Sound Signals

March 2024 - April 2024

Prof. Punneeth, NIT Rourkela

*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

Jun 2024- July 2024

Individual Project

*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 <b>Knight</b> badge for being top <b>4%</b> in global Leetcode competitive programming.	2024
Codechef	3-Star with a rating of 1721 and achieved a global rank of <b>269</b> in Division 3.	2024
Leetcode and GeeksforGeeks	Practiced over <b>700 problems</b> in total on DSA concepts.	2024
Machine Learning Intern	Worked on diverse datasets including Iris, House Price, Spam, and Movie Recommen-	2024
	dations through Codesoft and Bharat Intern.	

## TECHNICAL SKILLS

<b>Python Web technologies:</b> Flask(Web Framework), Django	<b>Programming languages:</b> Cpp, C, Python
<b>ML/AI:</b> Pandas, Matplotlib, Numpy, Sklearn, Tensorflow, Flask	<b>Tools &amp; Technologies:</b> Git, GitHub, Docker, Postman, VSCode
<b>Databases:</b> SQL, MySQL, MongoDB	<b>Web Technologies:</b> 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:

2022 - 2024

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