

# KOPPARTHI LAKSHMI SUKADHA

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## OBJECTIVE

Seeking for a challenging position as a software engineer in a dynamic organization where I can leverage my skills to contribute to the development of innovative software solutions.

## EDUCATION

**SRKR Engineering College** - Bachelor of Technology (Computer Science) - 9.22 Nov 2021 – Apr 2025

## SKILLS

Programming Languages	Python, Java, SQL
Artificial Intelligence	Machine Learning, Deep Learning, NLP
Libraries & Frameworks	NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, PySpark, NLTK
Tools & Platforms	Power BI, Jupyter Notebook, VS Code, Google Colab, GitHub Action
Soft Skills	Strong organizational and time-management skills

## EXPERIENCE

**AI and LLM Engineering Intern** Apr 2024 - Aug 2024  
Yanthraa Intern Hyderabad

- Built AI chatbots with Botpress and OCR pipelines for automated document understanding.
- Implemented YOLOv5-based object detection and video analysis for real-time visual data processing.
- Designed and deployed Retrieval Augmented Generation (RAG) systems and task-specific AI agents using LLMs.

## PROJECTS

**Developmental Dysplasia of the Hip (DDH) Detection:** 2025

- Developmental Dysplasia of the Hip (DDH) is a pediatric condition where the hip joint does not develop properly, commonly affecting female infants.
- Key Features: Implemented and compared multiple deep learning models, including CNN, ResNet-50, DenseNet, and hybrid CNN-LSTM architectures.

**Sentiment Analysis on Smartphone Reviews:** 2024

- Deep learning models, such as BiLSTM and CNNs, can effectively classify sentiments in text data by capturing complex patterns and dependencies.
- Key Features: The optimal model for sentiment analysis combined BiLSTM with MaxPooling, Dense layers, and Dropout, achieving superior classification accuracy.

## ADDITIONAL INFORMATION

- **Hackathons:** Prajwalan 2k23 (College), HACKOVERFLOW-2k23 (SRKR Coding Club), Prajwalan 2k24 .
- **Workshops:** Android Development (Participation Certificate), Computer Vision (Participation Certificate), Mobile App Development (Participation Certificate), GEN AI Fundamentals Course(participation Certificate).

## CERTIFICATIONS

- NPTEL Python for Data Science (Elite)
- NPTEL Java Programming (Elite)
- NPTEL C++ Programming
- AWS Machine Learning Foundations
- SQL (Basic) Certificate - HackerRank
- Generative AI Fundamentals - LinkedIn Learning