

ABARNAA SREE N

Information Technology Student | Software Development Enthusiast
Phone | LinkedIn | Portfolio | Email | GitHub | LeetCode

Professional Summary

Information Technology undergraduate with hands-on experience in AI/ML, Computer Vision, NLP, and Full-Stack Development. Skilled in Python, React.js, Flask, and SQL, with experience building real-time intelligent applications and scalable software solutions.[+91 9487822794]

Education

B.Tech in Information Technology, National Engineering College, Kovilpatti (CGPA: 8.69)	Jan '23 — Present
Higher Secondary Education , Kamlavati Senior Secondary School (CBSE)	Jan '13 — Jan '23
Class X : 88.6% Class XII : 80%	

Project

AI-Powered Translator App | GitHub

- Developed an AI-based real-time voice & text translator for multilingual communication.
- Integrated speech recognition, translation, and text-to-speech features.
- Used React.js, Flask, Python, deep_translator.
- Supported real-time translation across multiple languages.

AI Document Summarization System | GitHub | <https://abar2naa-ai-sum-rag.hf.space/>

- Developed an AI-powered document summarization and question-answering application.
- Implemented RAG using FAISS and Sentence Transformers for semantic search.
- Enabled PDF, DOCX, and TXT document analysis with AI-generated responses.
- Deployed on Hugging Face Spaces using Python, Flask, Gemini API, HTML, CSS, and JavaScript.

Jump Count Detection | GitHub

- Built a real-time Jump Count Detection System for fitness tracking using computer vision.
- Used OpenCV and MediaPipe for pose estimation and jump detection.
- Improved accuracy for low-height jumps using threshold optimization.

Hostel Management System | GitHub

- Enhanced a Hostel Management System to digitizing attendance and hostel operations.
- Implemented QR-based and location-based student attendance tracking.
- Integrated leave management and announcement modules.
- Designed using React.js, Node.js, Express.js, and MySQL.

Sentiment Analysis | GitHub

- Deployed a Sentiment Analysis Dashboard for analyzing text and social media opinions.
- Classified sentiments as Positive, Neutral, or Negative using NLP techniques.
- Added interactive charts, filtering, and CSV download features.
- Built using Python, Streamlit, TextBlob, Pandas, and Matplotlib.

Skills

Programming: Python, JavaScript, Java
Data Analytics: Excel, SQL, Data Visualization
AI/ML: OpenCV, MediaPipe, NLP
Frameworks: Flask, Node.js, React.js, Express.js, Pandas, Matplotlib, Streamlit
Databases: MySQL
Tools: Git, VS Code

Achievements

- Secured First Position in Code Debugging at KPR Institute of Engineering and Technology.
- Secured First Prize in the Code Sprint competition organized by the Computer Society of India at National Engineering College.

Internship

• Artificial Intelligence Intern – Pinnacle Labs:
Built an AI-powered real-time translator with speech recognition, translation, and text-to-speech capabilities using Python, Flask, and React.js.

Interest

- Data Analytics
- AI Software Engineering
- Generative AI