# AKSHAYAA S

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**EDUCATION:** B.E. Computer Science Engineering (AI & ML)

Chennai Institute of Technology (Autonomous) | 2023-2027 | CGPA: 8.97

## EXPERIENCE

**NPRO TECHNOLOGIES**: Software developer intern                                          **May 2024**

• Developed a comprehensive school management software for attendance tracking, improving efficiency by 30%.

• Collaborated with a cross-functional team to integrate real-time attendance monitoring and reporting features

**LET US SUPPORT PRIVATE LIMITED: Software developer intern**                        **Nov 2024**

• Developed an AI-powered news recommendation system using BERT embeddings and Collaborative Filtering, improving recommendation accuracy by 35%.

• Built a React-based interactive dashboard with real-time news fetching, saved articles, and trending news, increasing user engagement by 40%.

## PROJECTS

**School Management Software (May 2024-Jun 2024):** Developing a School Management Software using HTML, CSS, Bootstrap, MySQL and Python This code helps to track the attendance of the students.

**Online Street Shopping (Aug 2024 - Sep 2024)**: Created an image-based product identification system using Flask & TensorFlow, supporting text and voice search, with GPS-based tracking for real-time updates.

**AI-Powered Real-Time New Personalization (Nov 2024-Dec2024):** Smart Stream is an AI-powered news platform that personalizes content using BERT embeddings and collaborative filtering. Built with React and Django, it offers real- time insights, customizable categories, and user preference settings.

**AI-Powered Virtual Interviewer (March 2025-April 2025) –** Developed a real-time mock interview platform using speech processing and NLP to simulate job interviews. Integrated BERT/GPT models for question analysis and feedback, with live transcription, sentiment scoring, and automated performance reports.

## CERTIFICATIONS

- ❖ CISCO: Introduction to Cyber Security, Cyber Security Essentials
- ❖ Java Basics (SKILL RACK)
- ❖ NPTEL: Database Management Systems
- ❖ Machine Learning
- ❖ Zscaler Zero Trust Cloud Security Virtual Internship
- ❖ UiPath Academy: Automation Explorer Training
- ❖ Celonis Process Mining Virtual Internship
- ❖ Django
- ❖ Deep Neural Networks with PyTorch
- ❖ Microsoft -Fundamentals of responsible Generative AI, Explore Generative AI with copilot
- ❖ Google AI/ML Virtual Internship

## ACHIEVEMENTS

- NPTEL DBMS Elite score (63%)
- Global rank of 1256 in the recent contest in Code Chef
- Knight batch in leetcode
- Finalist of SIH 2024

## SKILLS

- **Programming Languages: C**, C++, Java, Python, SQL
- **Machine Learning & AI:** Scikit-learn, TensorFlow, Keras, OpenCV, Transformers (BERT, GPT), Hugging Face, Sentiment Analysis, Speech-to-Text (Google STT, Whisper)
- **Backend Development:** Flask, Django, MongoDB, PostgreSQL, MySQL
- **Frontend Development:** HTML, CSS, JavaScript, React JS