J Keerthana

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EDUCATION

Bangalore Institute of Technology (VTU)	**2023 − 2027**
B.E. in Information Science and Engineering	8.5/10
New Sri Chaitanya PU College, Karnataka State Board	**2022 − 2023**
12th (PCMC)	84%

PROJECTS

LawGlance − RAG LLM Legal Assistant   *Sep 2025*

Tech Stack: Python, Streamlit, FAISS, SentenceTransformers, Groq API

- Built an AI-powered legal assistant using Retrieval-Augmented Generation (RAG) for simplified Indian law queries.
- Integrated FAISS for semantic search and Groq API (LLaMA-3.3-70B) for contextual legal responses.
- Designed a dark-themed Streamlit UI with topic explorer and multi-law search functionality.
- **GitHub:** [LawGlance Repository]

MurfAPI Text-to-Speech & Speech-to-Text Web App   *Aug 2025*

Tech Stack: Python, FastAPI, Murf API, AssemblyAI, HTML, Render

- Developed a Web app to convert text to speech and transcribe audio using Murf and AssemblyAI APIs.
- Implemented a real-time Echo Bot for interactive AI conversations with translation support.
- Deployed securely on Render with optimized FastAPI backend.
- **Live Demo:** [murf-ai-voice-tools.onrender.com]

Notepad Text Editor   *Oct 2024*

Tech Stack: Java, Swing

- Created a Java Swing Notepad supporting text creation, editing, and saving.
- Added clean GUI design and menu features using Java I/O.
- **GitHub:** [Java-Notepad Repository]

TECHNICAL SKILLS

Languages: Java (OOP, DSA, JDBC, Swing, Tomcat basics), Python, C
Web & APIs: HTML5, API Integration (Murf, AssemblyAI, Groq), Hosting (Render, GitHub Pages)
Databases & Tools: Git & GitHub, Eclipse, VS Code, Google Colab, Oracle SQL
Core Concepts: DSA, DBMS, Operating Systems, SDLC (Agile, Linear Models)
Generative AI: LLM Basics, Embeddings, Prompt Engineering, Oracle OCI GenAI Certification

CERTIFICATIONS

- Java Programming Fundamentals — Infosys Springboard
- OCI AI Foundation Associate Certificate — Oracle
- OCI Generative AI Professional Certificate — Oracle
- **Certificates Folder:** [Google Drive Link]