

# J Keerthana

Aspiring Software Engineer | Java • Spring Boot • Web • AI Projects

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🌐 github.com/keerthana12hv

🌐 My Portfolio

## EDUCATION

Bangalore Institute of Technology (VTU)

2023 – 2027

B.E. in Information Science and Engineering

8.5/10

## PROJECTS

LawGlance – RAG LLM Legal Assistant

Sep 2025

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

- Built a Retrieval-Augmented Generation (RAG) pipeline to answer Indian law queries using semantic search.
- Implemented FAISS vector indexing to retrieve top-k relevant legal documents.
- Integrated LLaMA-3.3-70B via Groq API for context-aware and grounded responses.
- Designed a Streamlit UI with topic-based navigation and multi-law search.
- **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, Python, C

**Backend:** Spring Boot (REST APIs), FastAPI (project-based), JDBC

**Frontend:** HTML, CSS, JavaScript

**Databases and Tools:** MySQL, Git, GitHub, Postman, VS Code, Eclipse

**Deployment:** Render, GitHub Pages

**Core CS:** DSA, DBMS, Operating Systems, SDLC

**AI/ML:** LLMs, RAG, Embeddings, Prompt Engineering

## CERTIFICATIONS

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