# Killiivalavan K A

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## PROJECTS

### the B-side ⬀
- Developed and deployed a full stack social music platform with React and Typescript
- Integrated a postgreSQL database powered by Supabase for serverless execution.
- Integrated Spotify API for search and write reviews for all music and publicly available playlists.
- Engineered a music list feature for user to manage custom tracks/albums lists and convert them into Spotify playlists

### tabstone ⬀
- Built a cross-browser extension to archive and restore open tabs, reducing browser clutter.
- Implemented local storage mechanisms for persistent tab data.
- Published and maintained the extension on both Chrome Web Store and Firefox Add-ons.

### D.A.I.S.Y ⬀
- Developed an offline voice assistant with wake word detection using Picovoice
- Integrated LLaMA3 with RAG for dynamic, factual responses.
- Implemented speech recognition and British-accented TTS for natural user interaction.
- Ensured full local execution without cloud dependencies for enhanced privacy

### Simple-it ⬀
- Built a summarization tool supporting both audio recordings and PDF documents.
- Enabled output in text and audio formats for versatile content consumption.
- Used speech recognition and text extraction for input processing.
- Leveraged a locally hosted LLM for efficient, offline-friendly summarization.

### What-if ⬀
- Built an offline, AI-powered story generator using Ollama and a locally hosted LLM.
- Created dynamic, user-driven narratives with real-time generation.
- Ensured zero internet dependency for fully local execution and privacy.

## WORK EXPERIENCE

### Yodigispace

Intern                                                                                          Aug 2025 - Present
- Developed and tested automation workflows for core modules within the yodsBMS platform to improve operational efficiency.
- Built and maintained Python scripts and custom integrations to automate recurring tasks and streamline business processes.
- Optimized internal workflows by identifying bottlenecks and implementing process automation solutions.
- Collaborated with the team to ensure timely delivery of project milestones and assigned deliverables.

## SKILLS

- Languages: Python, JavaScript, TypeScript, SQL
- Frameworks: React, Next.js, Tailwind CSS, FastAPI, Node.js, Express.js
- Tools: Git, GitHub, Docker, MongoDB, MySQL

## EDUCATION

### SRM University

Bachelor of Technology - CSE                                                                          2021 - 2025