ADHITHYA M BEEJOY

Aspiring Software Engineer

+91 89210 58599 | adhithyamb273@gmail.com | github.com/Adhithya-273

SUMMARY

Aspiring software engineer pursuing Computer Science at Adi Shankara Institute of Engineering and Technology. Passionate about AI-driven applications, backend development, and intelligent systems, with hands-on experience in Python and building practical solutions using modern web and AI technologies.

TECHNICAL SKILLS

Languages:	Python, C, Java
AI / NLP:	BERT (Sentence-Transformers), spaCy, Cosine Similarity, RAG
Frameworks & Libraries:	FastAPI (Asyncio), React (Vite), Pandas, NumPy, Matplotlib, Recharts, Lucide React
Tools & Platforms:	Antigravity, VS Code, GitHub
Operating Systems:	Windows, Ubuntu

PROJECTS

Skill Gap Analyzer Full-Stack AI Application

- **Core Function:** Built an intelligent platform that parses PDF resumes using pdfplumber and spaCy to identify skill gaps against live market data from JSearch API.
- **Semantic Engine:** Implemented Sentence-Transformers (BERT) and Cosine Similarity to match resume skills with job requirements based on mathematical meaning.
- **Performance:** Utilized Python's asyncio within a FastAPI backend to run market synthesis and ATS audits in parallel, reducing processing time by over 50%.
- **Visualization:** Designed a React dashboard featuring dynamic Radar Skills Maps (Recharts) and an AI Career Coach powered by Gemini.

Night Shift Semantic Discipline Engine

- **Intent Analysis:** Developed a privacy-first productivity tool using SBERT to distinguish between work-related and distracting content in real-time.
- **System Integration:** Hijacked the Win32 window manager via PyGetWindow to enforce focus through system-level lockdowns.

Expense Tracker

- Built a Python application using Pandas and Matplotlib to log expenses and generate visual financial insights via bar and pie charts.

ETLab Attendance & Internal Tracker Full-Stack Web Application

- Developed a full-stack web application using React and Flask that integrates with ETLab to fetch student attendance data and internal marks.
- Implemented automated attendance shortage analysis, cutoff percentage prediction, and minimum sessional mark calculations to help students track academic requirements efficiently.
- Utilized session handling, API communication, and data parsing to provide real-time academic insights through a responsive user interface.

EDUCATION

APJ Abdul Kalam Technological University Expected 2027
B.Tech in Computer Science and Engineering — Adi Shankara Institute of Engineering and Technology
CGPA: 6.74
Currently pursuing 4th Year (7th Semester)

Little Flower Public School Muringoor 2023
Higher Secondary Education **Score: 87%**

ACHIEVEMENTS

- **Build With AI Hackathon 2026:** Participated in an AI innovation hackathon conducted by GDGoC ASIET and muLearn ASIET, focused on creative AI-based problem solving.
- **BRAHMA 2025:** Served as Venue Coordinator and Promotion Team member for the Techno-Cultural Fest.