

HARSHITH B

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EDUCATION

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|---|-------------|
| • Indian Institute of Information Technology, Kancheepuram | 2022 - 2026 |
| B.Tech Computer Science with Major in Artificial Intelligence | CGPA: 8.38 |

EXPERIENCE

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| • SDE Intern at BXKG | May 2025 - July 2025 |
| NextJS, FastAPI, TailwindCSS, Supabase, Google Gemini | |
| <ul style="list-style-type: none">– Engineered smart calendar solutions using AI pipelines with Gemini for personalized scheduling.– Implemented RBAC-based authentication with Supabase for role-sensitive access.– Developed responsive landing pages optimizing user engagement using TailwindCSS and NextJS. | |
| • Developer Intern at Smortr Pvt Ltd | June 2024 - July 2024 |
| NextJS, Firebase, OpenAI, TailwindCSS | |
| <ul style="list-style-type: none">– Built semantic file indexing, summarization, and smart categorization through LLMs.– Built secure and real-time file management systems.– Collaborated cross-functionally to design an intuitive user interface using TailwindCSS. | |

PROJECTS

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|---|----------|------------------------|
| • Intelligent Document-to-Audio Synthesis Platform | Apr 2025 | GitHub |
| <ul style="list-style-type: none">– Developed a web app to convert documents (PDF, DOCX) into natural-sounding audiobooks using Deepgram TTS and Gemini summarization.– Leveraged FFmpeg.wasm in-browser to merge audio segments locally, reducing backend load and improving latency.– Enabled multilingual narration with voice control and playback customization. | | |
| • LibreOffice MCP Server | Apr 2025 | GitHub |
| <ul style="list-style-type: none">– Implemented a Python socket interface for programmatic editing of office files using LibreOffice's UNO API.– Integrated document streaming support for real-time collaborative AI editing through a lightweight REST bridge.– Use case: AI copilots for spreadsheet manipulation and document rewriting. | | |
| • Multi-threaded Client-Server File System with Compression | Nov 2024 | GitHub |
| <ul style="list-style-type: none">– Engineered a client-server file system using POSIX threads, semaphores, and Zlib for fast, thread-safe compression/decompression.– Integrated user access control and concurrent file locking for safe I/O operations.– Mimicked UNIX-like CLI for file management: mkdir, put, get, delete, ls, exit. | | |

HACKATHONS

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| • Neural Misinformation Detection System - IIT BHU ML Hacks Finalist | Jan 2025 | Github |
| – Built fake news detector with 1D CNNs using deep learning and NLP pipelines. | | |
| • AI-Powered Academic News Summarizer - IISc Open Hacks Finalist | Feb 2024 | Github |
| – Engineered LLM-based summarizer for academic news with source linking. | | |

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Python, JavaScript, TypeScript, SQL, CUDA
Tools: Git/GitHub, Docker
Frameworks: NextJS, React, Langchain, TailwindCSS, Flask, FastAPI, PyTorch, TensorFlow, LLMs, MCPs
Cloud/DB: Firebase, Supabase, PostgreSQL, MongoDB
Soft Skills: Communication, Ownership, Presentation, Teamwork
Coursework: DSA, DBMS, OS, ML, DL, CV

POSITIONS OF RESPONSIBILITY

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| • Technical Affairs, Web Development Team Lead | June 2024 - April 2025 |
| • Vashisht24 Events Management, Quiz Master - Juniors | February 2024 |
| • Vashisht QMS Volunteer, College Tech Fest | February 2023 |