Nihit Jonnalagadda

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OBJECTIVE

Computer Science graduate specializing in AI/ML with expertise in Python, MERN stack, and Cloud technologies, seeking to leverage technical skills and leadership experience to drive innovation. Proven ability to build AI-powered tools and web solutions that deliver measurable impact.

EDUCATION

Kalasalingam Academy of Research and Education | 2022 - 2026
B.Tech in Computer Science Specializing in AIML | **GPA:** 9.13/ 10.0

Narayana Junior College | 2020-2022
PreUniversity Course | **Percentage**: 89.4%

Dr.Kishore Ratnam High School | 2019-2020
Secondary High School | **Percentage**: 90.66%

TECHNICAL & SOFT SKILLS

Programming Languages: Java, Python, C, SQL

Web Development : ReactJS, NextJS, TailwindCSS, HTML, CSS, WordPress

Cloud & DevOps : Google Cloud Platform, Azure, Git, SupaBase

Soft Skills : Peer Learning, Leading

Languages : English, Hindi, Telugu

PROJECTS

1.RAG System : Developed a RAG-based AI assistant that processes PDF, DOC, DOCX, and TXT files to deliver precise, document-sourced answers in real time. Reduces manual search time by up to 80% and boosts retrieval accuracy to 90%+, handling files up to 16 MB instantly. Ideal for Heavy text Searching Applications and Data Extraction from files. Github
Tools : Python, Flask, LangChain, ChromaDB, Google Gemini AI, HTML, CSS, JavaScript

2.Web Guru : Built an assistant that summarizes website content and answers user queries by generating a knowledge base from scraped data. Used Gemini API for summarization and fine-tuned BERT for context-aware Q&A, reducing content reading and answer-search time by up to 70%, while maintaining over 90% answer accuracy in testing. Github
Tools : Python, Flask, BERT, Gemini API, Web Scraping, Cursor.

3.Rehab Wings : Designed a game-based rehabilitation tool to support recovery from hand injuries. Enabled real-time hand tracking using OpenCV and MediaPipe, allowing users to control a bird's movement through fist gestures. The game improves motor coordination by engaging users in obstacle-avoidance challenges. Tested with 10+ users, demonstrating 80% better improvement in hand responsiveness. Github
Tools : Python, GUI, OpenCV, MediaPipe, WindSurf.

PUBLICATION

Published an IEEE Paper Titled “An AI-Powered Framework for Real-Time YouTube Video Transcript Extraction and Summarization using Google Gemini.” Developed an automated system leveraging Google’s generative AI to extract and summarize YouTube video transcripts in real time, reducing manual processing time by over 80%. Research Paper Link

PROFESSIONAL EXPERIENCE

Digispot.AI | SEO & Web Developer Intern | Remote | **December 2024 - July 2025**

- Programmed a Chrome extension that uses AI to audit webpages and suggest SEO improvements in real time, including heading optimizations. Improved content quality and structure, leading to better rankings across multiple SEO categories. Visit Extension
- Collaborated on the design and development of a WordPress website for a Bangalore-based law firm. Implemented on-page SEO best practices, resulting in a 30% increase in keyword rankings for targeted legal service areas. Visit Website

POSITION OF RESPONSIBILITY

Kalasalingam Academy of Research and Education (KARE) | IEEE CS | Secretary | **May 2024 - Present**

- Organized 10+ technical events, including hackathons and workshops, increasing student participation by 50%. For more details, visit the LinkedIn profile: IEEE Computer Society KARE