Hyderabad, Telangana

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NIKHIL NICHENAMETLA

nike1996
nikhiln.in

PROFESSIONAL SUMMARY

Experience in C, JavaScript, Python, and various web technologies. Skilled in responsive design and full-stack development. Committed to continuous learning and building impactful systems.

WORK EXPERIENCE

Design Verification Engineer Intern

AMD
2020 - 2021

- Worked as a design Verification Engineer on JPEG Decoder

Design Verification Engineer

Mobiveil
2021 - 2022

- Worked as a design Verification Engineer on xpg block

PROJECTS

Homecloud for Photos

Created a homecloud solution for storing and managing photos. Used WebComponents for the frontend, postgresql for the database. Please find the attached link for the demo: https://photos.nikhiln.in/

Expense Manager Application

Developed a web application to manage expenses where user gives input in the form of voice and the application converts it to text and stores it in a database. Used large language models (LLMs) to convert the human readable text to structured data. The application is built using Rust for the backend and WebComponents for the frontend. For the database, used postgresql. Please find the attached link for the demo: https://expenses.nikhiln.in/

Audio Transcription Application

Created a web application to convert speech to text. Integrated openai's whisper api for voice to text conversion.

News Data Pipeline

Developed a news data pipeline that scrapes news data from various sources and converts it into a structured format using LLM structured output.

Market Analysis

Analyzed the news data along with events data to predict the price movement of securities.

EDUCATION

MTech in Electronics Instrumentation and Embedded Systems

NIT WARANGAL
2019 - 2021

BTech in Electronics and Communication Engineering

CBIT, Hyderabad
2014 - 2018

TECHNOLOGIES

Programming languages: C, JavaScript, Python, Rust basics

Web technologies: RESTful Services, Web frameworks, Fullstack applications, Browser API, Node.js, Express, SQL, HTML, CSS, React, Responsive Design

Database: PostgreSQL, Sqlite

Tools: GCP basics, Linux, Vim, Tmux, Bash, Git, HTTP

RELEVANT COURSES

1. Computer architecture
2. Computer networks
3. Operating systems
4. Machine learning
5. Microprocessors and microcontrollers
6. Digital design
7. Embedded systems
8. Instrumentation and control
9. VLSI