Nishan Holla

Bengaluru, India · hollanishan@gmail.com · 8951621998 · https://portfolio-nishan-cbc8.vercel.app/

Experience

Momentum-E   Bengaluru, Karnataka, India
SDE Intern   Nov 2024 - Present

- Contributing to the development of an in-house EV industry product using Next.js and Prisma.
- Expanding full-stack development skills with a focus on modern JavaScript frameworks.
- Collaborating with the team to understand project requirements and actively participate in the development process.

Civiccraft Technologies   Remote
SDE Intern   July 2024 - September 2024

- Developed and deployed an AI-driven multilingual chatbot for Ask Nandi, enhancing accessibility and user experience.
- Optimized AWS cloud infrastructure, ensuring performance, stability, and scalability for high-impact, cloud-based applications.
- Contributed to designing and implementing a robust backend for the Oojus project, focusing on server-side technologies and database management.

CoDMAV Research Lab   Bengaluru, Karnataka, India
Research Intern   June 2024 - July 2024

- Developed an AI-driven solution using GAN to generate accurate yield predictions and improve farming practices.
- Integrated real-time weather data from the Indian Meteorological Department and implemented an LSTM model for precise, region-specific weather forecasting.
- Applied Artificial Neural Networks for crop feasibility, fertilizer, and irrigation recommendations, enhancing resource utilization.

Full Stack Web Developement | AI ML | App Developement

Frontend:	Next JS, Three JS, React JS, Reduc, Tailwind CSS, Flask, HTML, CSS, Javascript
Backend:	TypeScript, MongoDB, RESTful API's, MySQL, Node JS, Express JS
App Developement:	React Native, Flutter, Typescript, Dart, Firebase
AI	ML:	LLM's, Vector Embeddings, LangChain, Scikit Learn, Tensorflow 2.0 (Keras), Neural Nets
DevOps:	Docker, Kubernetes, Jenkins, Git

Projects

Harmony Mental Wellbegin App *Next JS, Python (Fast API), Transfomers, FAISS, Llama 2, Mongo DB*
https://github.com/NishanHolla/HarmonyMentalWellbeing
Generates dynamic user profiles using Pegasus sentence transformers, analyzes browsing history to account for user interests and content consumption, and provides real-time mental state analytics for personalized insights and interventions. Detects life events and panic attacks through video and voice pitch analysis. Retrieves user context efficiently, leveraging vectorization for faster chat retrieval.

PII Detection Tool *Next JS, Fast API, NLTK, Spacy, Regex, Docker, Docker Compose, Mongo DB*
https://github.com/NishanHolla/PII_Detection_Tool
A file-scanning tool to detect and classify sensitive information, including PII, PHI, PCI, and financial data, using Presidio Analyzer's NLP-based detection. The system enables file uploads, scans text for sensitive patterns, and stores results in a MongoDB database for auditing and reporting..The application is fully containerized using Docker and orchestrated with Docker Compose, ensuring seamless deployment in various environments

Sheets2MySQL *Express JS, Google Drive API, Google Sheets API, MySQL*
https://github.com/NishanHolla/sql2sheets
A system to automate the synchronization between Google Sheets and a MySQL database. Users can upload JSON files that generate Google Sheets and SQL files, enabling seamless data transfer. The system includes polling every 10 seconds (adjustable) to detect changes in Google Sheets and synchronizes updates to the MySQL database. Additionally, the system allows for deletion of both the Google Sheets and MySQL tables, ensuring complete management of data between the two platforms.

Awards

1st Place, inGenius 12.0 Hackathon   InGenius Community
Worked on improving supply chain along with information retrieval and imporved tracking of medicines. 2024

1st Place, Kalpana Hack For Humanity IEEE Society   IEEE Society
Worked on Mental Health Wellbeing App with Embeddings and Langchain.   2024

Top 10, Kodikon 3.0 National Level Hackathon   Club Embrione
Worked with team in researching and building AR tech using Machine Learning.   2023

Ranked #15 in Open Source Contributions Runner Up, ACM Hacktober Fest   IEEE Society
Won several brownie points by closing issues in multiple open source projects.   2023

Education

PES University   Bengaluru
BTech Computer Science *GPA: 7.67*   2021 - 2025

Sharada PU College   Mangalore
Karnataka State Board Class 12 *GPA: 95%*   - 2021

Sharada Vidyalaya   Managalore
CBSE Class 10 *GPA: 92%*   - 2019