Elton Xavier Joseph Costa

Margao, Nuvem - Goa. 403601
9604344945
elton02costa@gmail.com

Skills

Database Design **|** System Design & Analysis **|** Javascript **|** Typescript **|** C **|** C++ **|** PHP **|** Python **|** HTML **|** CSS **|** MongoDB **|** MySQL **|** PostgreSQL **|** NodeJs **|** React.js **|** Next.js **|** Express **|** Three.js **|** React3Fibre**|** flask **|** AWS **|** GoogleCloudPlatform **|** Docker **|** Figma **|** Blender **|** Photoshop **|** PremierPro **|** React Native

Education

Bachelor's Degree in Computer Engineering
Don Bosco College of Engineering
2025
Diploma in Computer Engineering
Agnel Polytechnic Verna
2022

Work Experience

Club Mahindra Resort, Varca Beach - Goa (Intern)
Network Administrator/IT technician
March 2022
Managed and administered hotel guest wireless networks ensuring smooth operation. Replaced faulty equipment and monitored the network for bottlenecks and anomalies, ensuring uninterrupted daily operations.

Hexcoderz, Vasco da Gama - Goa (Intern)
Project leader
September 2021
Mastered UI/UX fundamentals, Figma, and implemented HTML, CSS, JavaScript. Redesigned and implemented Agnel Polytechnic Verna's official website.

Projects

LeafSync
Developed a SQL database management tool using MySQL.js library in JavaScript, ensuring efficient CPU usage (0.3%) and optimized RAM usage (30-90MB). Utilized React.js for dynamic rendering and state-dependent views. Cross-platform compatibility achieved by bundling with Electron, enabling binary builds for various platforms. Features include easy table viewing and management, along with running SQL queries through an in-built terminal.

Personal Image Storage
Created a CDN with imgBB service for storing and retrieving media links, enabling image/gif sharing and loading. Users can upload media, utilizing imgBB API. Upon upload, the link to the file is returned, and file information is stored for easy retrieval.

AI Digit Classifier
Implemented a digit classifier using a trained AI model on a Flask server, integrated with a React frontend featuring a drawing canvas. Trained the model on a custom dataset, mastering machine learning deployment and full-stack development.

API (MISTRAL) LLM running on local-CPU
Contributed to https://github.com/katanaml/llm-mistral-invoice-cpu (OpenSource)
Integrated MISTRAL LLM via API for streamlined communication with other libraries. Enhanced accessibility and ease of use by replacing CLI with API, facilitating cross-platform integration and asynchronous operations. Leveraged Flask server for lightweight deployment, ensuring smooth client operations.

Volunteer Experience

Incarnate (Event- leader)
As leader of our department's art competition, I orchestrated a successful event, encouraging past participants to join. With streamlined organization and efficient registration tracking, we ensured smooth operations. On event day, I meticulously arranged workspaces for systematic judging, resulting in increased participation and engagement.

Kshitij (Event- Volunteer)
Led conceptualization, filming, and editing of captivating videos showcasing Mechanical Department's essence and creativity. Video's quality and narrative secured feature on the college website, enhancing the department's visibility and reputation.

Inspirus Recap Video (Event- Volunteer)
Produced a dynamic video recap of the Inspirus computer department event, capturing two days of activities and student innovation. Seamlessly integrated diverse event footage to showcase talents and interests, demonstrating creativity and storytelling to highlight the event's impact.