# Elton Xavier Joseph Costa

Margao, Nuvem-Guirim - Goa. 403601, Hno:42 **|** +91 9604344945 **|** elton02costa@gmail.com

[Github](#) | [Elton costa](#) | [Linkedin](#)

## Work Experience

**Club Mahindra Resort, Varca Beach - Goa (Intern)**　　　　　　　　**Jun 2022 - Jul 2022**
improved and overhauled hotel guest wireless networks for smooth operation.　　Network Administrator

**Hexcoderz, Vasco da Gama - Goa (Intern)**　　　　　　　　　　　　**Sep 2021 - Nov 2021**
Developed proficiency in UI/UX fundamentals, Figma, HTML, CSS, and JavaScript.　Project lead

**YUVA panaji Website - Goa (Fullstack, Developer)**　　　　　　　　**Apr 2024 - May 2024**
Led the design and development of the website　　　　　　　　　　　　Project lead
Designed and integrated a dashboard to manage content on the website

## Projects

**LeafSync**
- Engineered a SQL database management tool which allowed me to make and view updates to my Database in real time, ensuring a Seamless user experience.
- Achieved efficient CPU usage (0.3%) and optimized RAM usage (30-90MB) for enhanced performance.
- Rendering and state-dependent views loads in an instant (90% faster then something like PhpMyAdmin)
  [Download▸](#)

**Personal Image Storage**
- Implemented media storage and delivery using the imgBB API for over 10+ users.
- Supported Images/Gifs, Unlimited Storage, upload up to 32mb/image which is more than enough for 90% of images captured by modern camera devices.
  [Live](#)

**API (MISTRAL) LLM running on local-CPU: [https://github.com/katanaml/llm-mistral-invoice-cpu](https://github.com/katanaml/llm-mistral-invoice-cpu) (OpenSource)**
- Integrated accessibility and ease of use by replacing CLI (Command Line Interface) with API Interface, in around 30 lines of code(including error handling).

**Real-time Pixel Art Canvas**
- Real-time Pixel Drawing Canvas application synchronized across connected clients with latency less than 6ms.
- Canvas size(50x50) 2500px all synced using Websocket by only updating changed pixel reducing network bandwidth by 99%
  [Live▸](#)

## Skills & Other

**Languages**　C/C++, Javascript, HTML, CSS, SQL, Java, Typescript, Python, PHP, SQL, NoSQL, Shell

**Technical**　React.js, Next.js, Express, Three.js, Websockets, flask, AWS, Google Cloud , Docker, Figma, Blender , Photoshop, PremierPro, React Native, Data Structures, AI, Machine Learning, LLM, FastAPI, LLM, CLI, CI/CD, Github, Linux, Latex, Data Analysis, Database Design, MongoDB, System Design

**Soft-skills**　Leadership, Open, Public Speaking, Prioritization, Analytical Reasoning

## Achievements

**Hackathon** (Axon)
- Enables users to submit Study material to generate a quiz  of minimum 10 questions, this allows the user to benchmark themselves to know how much they have studied, 10-15 users found this useful.
- Leveraged GPU Acceleration to speed up response time by 88% (from 50s - 6s)

**Game Development** (reimagined space invaders using Scratch)
- Achieved 3rd place at a game making competitions
- 6 Levels + 1 boss Level

## Education

**Bachelor's Degree in Computer Engineering**　　　　　　　　　　**Apr 2022 - May 2025**
Don Bosco College of Engineering　　　　　　　　　　　　　　　　Fatorda, Goa
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　CGPA: 7.00

**Diploma in Computer Engineering**　　　　　　　　　　　　　　　**Jan 2019 - mar 2022**
Agnel Polytechnic　　　　　　　　　　　　　　　　　　　　　　　Verna, Goa
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　CGPA: 8.00

## Extra Curricular

- Inter-School art competition : Secured 1st place.
- Organized Incarnate an inter-College, School, Diploma Artwork competition,45+ students participated.