

JONATHAN SAVIO CORREA

9902005723 | jonathan.s.correa45@gmail.com | jonathanc.in | Manipal, Karnataka, India

EXPERIENCE

Software Engineer Intern

Manasija AI

Sept 2025 – Nov 2025

Mangalore, Karnataka

- Contributed to the development and improvement of APIs, internal systems, and supporting infrastructure.
- Implemented backend functionality and integrated services while debugging system issues.
- Improved the reliability and maintainability of existing platforms.
- Collaborated with the engineering team to test implementations, understand product requirements, and contribute to technical discussions.

Freelance Work

2024 – 2026

Mangalore, Karnataka

- Overhauled business WordPress websites by implementing complex systems and redesigning user interfaces to elevate SEO performance and aesthetics.
- Built impactful collegiate applications, including an alumni network system and a registration portal, to streamline operations and enhance user engagement.
- Engineered a robust QR code ticketing and offline check-in system for TEDxStAloysiusCollege, featuring custom HTML tickets and automated daily sales report edge functions.
- Developed a dedicated analytics tool for TEDx events to facilitate smoother operations and improve overall event coordination.

PROJECTS

Vitae | *Rust, Tauri, React, TypeScript, LaTeX*

[Link](#)

- Developed desktop LaTeX resume builder with offline Monaco editor and instant PDF compilation.
- Implemented intelligent template field extraction engine and dynamic visual form interface.

Quint | *Rust*

[Link](#)

- Built a modular, modern browser engine entirely from scratch to handle advanced rendering.
- Features hardware-accelerated execution with a complete internal layout engine.

CaprioAI | *Next.js, Python, Pinecone*

- Developed an AI legal assistant utilizing Retrieval-Augmented Generation (RAG) pipelines. Scans complex legal documents and constitutional guidelines to identify potential legal issues.
- Secured 2nd place at the Nitte Hackathon.

Spatial | *Python, PostgreSQL*

- Engineered an IoT edge computing device to track real-time public transit crowding and prevent safety hazards. Utilized Bluetooth signal interception via Raspberry Pi to dynamically count passengers.
- Awarded 1st place at the Composite event for generating active maps and alternate route suggestions.

EDUCATION

St Aloysius University, Mangalore

2023 – 2026

Bachelor in Computer Applications

Manipal Institute of Technology

2026 – 2028

Masters in Computer Applications

TECHNICAL SKILLS

Languages: Rust, TypeScript, JavaScript, Python, C++, SQL

Frameworks & Tools: React, Node.js, Tauri, Docker, Git, Linux, Server management, AI agents, MCPs