

Jiya Elza Jabi

Master of Computer Applications | Batch 2025–27 | CHRIST (Deemed to be University), Bengaluru

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PROFESSIONAL SUMMARY

MCA student and Full-Stack Developer proficient in React.js and FastAPI, with practical experience building and deploying end-to-end modules for CHRIST University's ESPro ERP system. Skilled in crafting responsive interfaces, integrating REST APIs, and working with SQL and vector databases to deliver production-ready features. Eager to leverage technical expertise and an emerging interest in applied AI/ML to contribute as a Full-Stack Developer or Frontend Engineer in a growth-oriented organization.

WORK EXPERIENCE & INTERSHIPS

CHRIST University Central Campus (Innovation Center), Bengaluru

May 2026 – Present

Full Stack Developer Intern

- Developing end-to-end web applications using React.js and FastAPI.
- Building RESTful APIs and backend services for core business logic and data processing.
- Integrating frontend interfaces with backend APIs and databases for scalable solutions.
- Collaborating with cross-functional teams to deliver performant, maintainable applications.

CHRIST University Central Campus (Innovation Center), Bengaluru

Feb 2026 – May 2026

Frontend Developer Intern

- Developed responsive, user-friendly interfaces using React.js.
- Integrated frontend components with backend APIs for dynamic data rendering.
- Improved UI/UX while ensuring cross-browser compatibility and responsiveness.
- Collaborated with backend developers and designers to deliver seamless user experiences.

PROJECTS

NutriLens – Food Claim Verification System | React.js, FastAPI, MySQL, Docker, Tesseract OCR

- Built a web-based system to verify food packaging claims using OCR and rule-based analysis aligned with FSSAI guidelines.
- Developed a responsive React.js frontend for image uploads, dashboards, and result visualization.
- Integrated a FastAPI backend to process OCR-extracted data and validate claims automatically, tested across 18+ real-world cases.

TADBuddy – Retrieval-Augmented Wellness Chatbot | Python, FastAPI, PostgreSQL (pgvector), Ollama

- Built a Retrieval-Augmented Generation (RAG) pipeline from scratch – embeddings, vector search, and prompt construction – without agent frameworks like LangChain.
- Implemented semantic search using Sentence-Transformers embeddings (384-dim) in PostgreSQL via pgvector, retrieving matches by cosine similarity.
- Integrated a locally-hosted LLM (Ollama, Llama 3.2) via raw HTTP calls and containerized the full system with Docker Compose.

ExpenseVault – AI Expense Tracker (Go CLI) | Go, Bubble Tea, Lip Gloss, Gemini AI, MySQL

- Built a command-line expense tracker with an interactive terminal UI using Bubble Tea and Lip Gloss.
- Integrated Gemini AI to analyze spending patterns and generate financial insights.
- Implemented expense logging, categorization, and reporting with a modular, persistent-storage architecture.

SKILLS

Technical: Go, Java, Python, JavaScript, C, PHP, Kotlin, HTML, CSS, React.js, Next.js, Node.js, Express.js, FastAPI, REST APIs, LangChain, Git, GitHub, MySQL, PostgreSQL, MongoDB, Neo4j, Docker

Domain: Full-Stack Web Development, RESTful API Design, Retrieval-Augmented Generation (RAG), OCR-based Systems, ERP Systems **Soft Skills:** Leadership, Problem Solving, Communication, Adaptability, Team Collaboration **Languages:** English – Fluent | Hindi – Fluent | Malayalam – Fluent

CERTIFICATIONS & TRAINING

• **Quantum Technologies for Business** – Australian Quantum Software Network (AQSN)

April 2026

• **Machine Learning A–Z: AI, Python & R + ChatGPT** – Udemy

Oct 2024

CO-CURRICULAR & LEADERSHIP

IEEE Student Member – CHRIST University Chapter

April 2026 – Present

- Active member engaged in technical workshops, seminars, and knowledge-sharing sessions.

Organizing Team Member – Gateways Hackathon 2025

2025

- Served as a core organizing team member for the inter-collegiate hackathon, contributing to event planning, coordination, and execution involving multiple teams from various colleges.

NCC 'A' Certificate Holder

- Awarded the NCC 'A' Certificate for successful completion of National Cadet Corps training, demonstrating discipline, leadership, and commitment.

Event Anchor

- Anchored university and departmental events including technical fests, cultural programs, seminars, and academic gatherings, demonstrating public speaking and stage management skills.

EDUCATION

CHRIST (Deemed to be University), Bengaluru

2025 – 2027 (Expected)

Master of Computer Applications

Nowrosjee Wadia College, Pune

2022 – 2025

Bachelor of Science in Computer Science | CGPA: 7.74 / 10.0