

Biresb Biswas

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EDUCATION

Vellore Institute of Technology - Chennai

Bachelor of Technology in Computer Science and Engineering

- CGPA: 8.31/10.00 (Till 4th semester)

Chennai, India

Aug 2023 - 2027

Kendriya Vidyalaya Ambernath

Higher Secondary Education | Class XII: 90.8%, X: 93%

Ambernath, India

2011 - 2023

EXPERIENCE

Quetzalcoatl Pvt Ltd — Full Stack Developer

Jul 2025 – Present

Docker, Node.js, PrusaSlicer CLI, Bash, G-code Parsing

- Built a lightweight Dockerized PrusaSlicer CLI workflow for headless 3D model slicing, reducing image size from 10GB to 1GB
- Integrated G-code analysis and slicing into 3DPrintX backend for dynamic price calculation
- Collaborated with team to optimize multi-stage builds and tested container performance on GCP VMs

L&T Energy Hydrocarbon — IT Intern

June 2025

ASP.NET Core, SQL Server, QuestPDF, Azure AI

- Built an AI-based documentation tool in ASP.NET Core, cutting manual effort by 60%
- Integrated role-based workflows, versioning, and QuestPDF-based PDF generation

Open Library — OSS Contributor

[PRs](#) ↗

Python, APIs, Jest, Docker

- Added 2K+ books to Open Library via import script with test coverage
- Built [CLI tool](#) ↗ importing 15K OpenAlex books with identifiers

PROJECTS

HAVEN | Next.js, NextAuth, Shadcn UI, Tailwind, PostgreSQL, React, Python

[GitHub](#) ↗

- Created an incident-tracking app with emoji-map UI and community upvoting
- Used PostgreSQL, NextAuth, and a Twitter crawler for real-time incident data and user auth

FintechApp | React, Node.js, Tailwind, Hasura, GraphQL, MongoDB

[GitHub](#) ↗

- Developed a fintech app for secure transfers, deposits, and account management
- Implemented JWT-based auth, REST APIs (7 endpoints), and a responsive UI with Tailwind

LabelInsight | FastAPI, RAG, LangChain, Groq, React, Python, MongoDB

[GitHub](#) ↗

- Built a barcode scanner app that checks claims vs. actual nutrition using RAG and LangChain
- Personalized results via MongoDB-stored allergy profiles and open-source API integrations

ACHIEVEMENTS

- Completed Summer of Bitcoin bootcamp (2025); contributed to Formstr using Nostr protocol and cryptographic identity
- 1st Runner-Up, I Love Hackathon: Chennai Web3 (2/49 finalists, 900+ applicants)
- Top 15 in DevHouse 2024 (15/64 finalists, 1000+ applicants, by GDSC VIT-Chennai)
- Completed Hacktoberfest 2024 with multiple OSS contributions
- Active Open Library contributor: weekly Slack calls and feature ideation

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, TypeScript, Solidity, HTML/CSS, C#

Frameworks: React, Next.js, Tailwind CSS, Node.js, Express, Flask, FastAPI, ASP.NET Core

Databases/Infra: MongoDB, SQL Server, JWT, REST APIs, Docker, CI/CD, GitHub Actions, Azure AI, GCP

Tools: Git, VS Code, Linux, Selenium, Entity Framework Core, Remix, LangChain, Groq, IPFS, Web3.js, Ethers.js, Hardhat