Ebin Thomas

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Computer Science student (Class of 2028) with hands-on experience in full-stack web development and a strong foundation in data structures and algorithms.

Education

Indian Institute of Information Technology Kottayam — Kerala, India
B.Tech, Computer Science and Engineering | ***CGPA: 9.83/10.0*** — *2024 – 2028 (Expected)*

St. Thomas Central School, Trivandrum — Kerala, India
Class XII (CBSE) | *97%* — *2024*

Projects

RepoRadar – Personalized Open-Source Issue Discovery — Oct. 2026
Next.js, TypeScript, PostgreSQL, Prisma, Auth.js, GitHub Actions — Live | GitHub

- Built and deployed a full-stack platform that recommends open-source issues by profiling each developer's interests from their owned and starred GitHub repositories (GitHub OAuth, preference filters).
- Designed scheduled GitHub Actions pipelines for issue ingestion and scoring with idempotent upserts; the explainable heuristic weighs issue freshness, repository health, discussion activity, and open-PR collisions.
- Secured OAuth tokens with AES-256-GCM encryption; added PostgreSQL-backed bookmarks and deduplicated daily/weekly email digests via Resend.

Super League – IIIT Kottayam Football Platform — Jul. 2026
Backend Engineering Core Team | Next.js, TypeScript, Supabase, PostgreSQL — Live | GitHub

- Core member of the backend engineering team for IIIT Kottayam's football platform, featuring men's and women's tournament fixtures, match details, standings, player profiles, and fantasy predictions for college leagues and the FIFA World Cup 2026.
- Built backend APIs (Next.js API routes on Supabase PostgreSQL) for match and player management, fantasy predictions, and leaderboards.
- Protected all mutations with Zod request validation, Bearer-token authentication, role-based authorization, and rate limiting.

FeastOn – Digital Mess Coupon System (Team Project) — Feb. 2026
React 19, TypeScript, Express, Node.js, PostgreSQL — Live | GitHub

- Co-architected a mess coupon platform now used by 3,000+ students at IIIT Kottayam, replacing manual physical coupons.
- Implemented Google OAuth sign-in, role-based access control (Student/Admin/Volunteer), and QR-scan verification for real-time attendance marking.
- Configured PostgreSQL connection pooling (up to 200 concurrent connections) and background jobs for automatic event expiry.

Achievements

Best Build Award, Realm Hack '26 — Oct. 2026
National Hackathon | CFRA, College of Engineering Karunagappally — *Thodiyoor, India*

- Won the **Best Build** award at Realm Hack '26, a national hackathon, for an offline Android app using on-device computer vision to generate tamper-evident wage quotes for gig workers.

Global Nominee, NASA Space Apps Challenge — Oct. 2025
"Embiggen Your Eyes!" challenge | N-Large — *International*

- Named Global Nominee among thousands of teams worldwide for **N-Large**, a web platform that processes and visualizes gigapixel-scale space imagery.

Technical Skills

Languages: Python, TypeScript/JavaScript, Java, C/C++, SQL
Backend & Web: Node.js, Express, Next.js, React, FastAPI, REST APIs, WebSockets, OAuth 2.0
Databases: PostgreSQL, MongoDB, Prisma ORM, Supabase
Core CS: Data Structures & Algorithms, OOAD, Operating Systems, DBMS, Computer Networks
Tools & Cloud: Git, GitHub Actions, Google Cloud Platform