

Yash Pouranik

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Experience

MERN TA Intern

Apna College · Remote Jul 2025 – Nov 2025

- Mentored and supported 200+ engineering students in MERN stack (JavaScript, React, Node.js, Express, MongoDB).
- Helped learners understand backend architecture, API design, and debugging strategies, strengthening communication and problem-solving skills.
- Frequently assisted with authentication flows (JWT & sessions), file uploads, database schema design, and backend runtime errors.

Projects

urBackend - Instant Backend-as-a-Service (BaaS) Platform | [Repo](#) | [Live](#)

- Built an Instant BaaS platform with AES-256-GCM encrypted connections and a dynamic connection manager, optimizing scaling and preventing memory leaks.
- Reduced authentication API response times by 70% (500ms to 150ms) by engineering a Redis caching layer to offload MongoDB.
- Ensured high reliability using atomic MongoDB operations for quota management, and decoupled infrastructure into independent internal and public APIs.

CampusNotes - Academic Notes Sharing Platform | [Repo](#) | [Live](#)

- Built a full-stack student notes-sharing platform with Node.js, actively serving 99 verified users and processing nearly 5,000 total document downloads.
- Optimized storage capacity using a round-robin algorithm across three Cloudinary accounts and implemented secure, direct client-side uploads for PDF files.
- Achieved significant traction with 3,400+ unique downloads from 160+ notes, using upvote-driven sorting and advanced search filters to highlight quality.

Errlocal | [Node.js](#), [Groq](#), [Lingo.dev](#) | [Repo](#) | [Live](#)

- Developed Node.js CLI debugger parsing stack traces to generate AI-assisted fixes via Groq LLM APIs.
- Designed backend sync system for structured error logging and resolution state management.
- Established GitHub Actions CI/CD pipelines and comprehensive unit tests for highly reliable npm package releases.

Skills

Backend: Node.js, Express.js, REST APIs, Session-based Auth, JWT, MVC Architecture

Databases & Storage: MongoDB (Atlas), Redis, SQL, Cloudinary

Languages: C, C++, Java, JavaScript

Frontend: HTML, CSS, Bootstrap, React, EJS

Tools & Platforms: Git, GitHub, Render, Vercel, MongoDB Compass, VS Code

Education

B. Tech(CSE)

Shri Vaishnav Institute of Information Technology, Indore

CGPA: 7.5 | 2023-27

Achievements & Hackathons

- Selected as MERN Teaching Assistant Intern at Apna College; mentored 200+ students in full-stack web development.
- Ranked **Top 25 / ~800 teams** at Tutedude – Solve for India national hackathon; built “GullyBazar” marketplace in 48 hours.
- Published **errlocal** npm package with **700+** installs, showcasing production-grade backend tooling.

Open Source & Developer Tooling

urBackend (Open Source) | [REPO](#)

- Maintainer of open-source BaaS platform with 20 forks and 15 stars, focused on scalable multi-tenant backend architecture.

universal-app-opener Contribution | [PR](#)

- Contributed Instagram deep-link handling logic to universal-app-opener, distinguishing profiles, posts, reels, and platform-specific Android/iOS behaviors.