

# Yash Pournik

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## Experience

### MERN TA Intern

Apna College · Remote Jul 2025 – Nov 2025

- Mentored and supported 200+ engineering students in (JS, Node.js, Express, MongoDB, Code Modularity)
- Helped learners understand backend architecture, API design, and debugging strategies, strengthening communication and problem-solving skills.
- Assisted with auth flows (JWT & sessions), file uploads, DB schema design, and backend runtime errors.

## Projects

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

- Developed 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 110+ verified users and processed 5.7k+, 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 4,200+ unique downloads from 180+ notes, using upvote-driven sorting and advanced search filters to highlight quality.

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

- 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.
- Integrated [Lingo.dev](#) SDK to provide localized error explanations and progressive AI hints in 4+ languages, improving accessibility for global developers.

## Skills

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

**Databases & Storage:** MongoDB (Atlas), Redis, MYSQL, Cloudinary

**Languages:** Java(For Problem Solving), JavaScript(For Dev)

**Frontend:** HTML, CSS, Bootstrap, React(Very Little), EJS

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

## Education

### B. Tech(CSE)

Shri Vaishnav Institute of Information Technology, Indore  
7.5 | 2023-27

CGPA:

## Achievements & Hackathons

- **Project Maintainer @GSSoC'2026:** Selected to lead [urBackend](#) as an official open-source project; currently managing and reviewing contributions from global developers to scale the BaaS ecosystem.
- Secured 2nd place in a technical writing competition for Kiroo; authored a detailed Medium article on API interaction replay systems and debugging workflows ([ARTICLE](#)<sup>↗</sup>)
- Selected as MERN Teaching Assistant Intern at Apna College; mentored 200+ students in Backend mostly.
- Ranked **Top 25/~800 teams** at Tutedude-Solve for India national hackathon; built "GullyBazar" marketplace in 48 hours. (With Team of 3)

## Open Source & Developer Tooling

### urBackend (Open Source) | [REPO](#)<sup>↗</sup>

- Maintainer of open-source BaaS platform with 40 forks and 30 stars, focused on scalable multi-tenant backend architecture. (Reviewed 40+PRs from 25+ external Contributors)

### universal-app-opener Contribution | [PR](#)<sup>↗</sup>

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