

Yash Pouranik

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Experience

NodeJS 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 debug backend issues (auth flows, file uploads, DB schema design) and guided them through API design and MVC architecture fundamentals.

Projects

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

- Built a self-hostable BaaS platform (Firebase/Supabase alternative) that provisions instant REST APIs, authentication, storage, and mail for any project - zero backend code required. Used by 80+ registered developers with 2 external projects actively using the SDK in production.
- Designed a three-service monorepo (dashboard-api, public-api, consumer worker) with dynamic MongoDB collection provisioning, runtime schema validation, and [Row-Level Security \(RLS\)](#); consumer handles async exports via BullMQ with backpressure-aware streaming.
- Reduced auth API latency by 70% (500ms > 150ms) via Redis-backed Metadata and JWT caching; enforced per-project API, storage, and mail quotas using atomic Redis ops to eliminate race conditions.
- Secured third-party credentials (MongoDB URIs, AWS S3, Cloudflare R2, Supabase, Resend API keys) at rest using AES-256-GCM encryption, ensuring no plaintext secrets are ever stored in the database.

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

- Built a full-stack notes-sharing platform with Node.js serving 120+ verified users; optimized storage using a round-robin algorithm across three Cloudinary accounts with secure client-side PDF uploads.
- Achieved 7k+(5.4k+ unique) total downloads across 180+ notes using upvote-driven sorting and advanced search filters to surface quality content.

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

- Built a Node.js CLI tool that parses stack traces, generates AI-assisted fixes via Groq LLM, and delivers localized error explanations in 4+ languages using Lingo.dev.

Skills

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

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

Languages: JavaScript, Java

Frontend: HTML, CSS, Bootstrap, React, EJS

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

Coursework: Operating System, Computer Network, Database Management System

Education

B. Tech(CSE)

Shri Vaishnav Institute of Information Technology, Indore

CGPA: 7.35 | 2023-27

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](#))
- Ranked **Top 25/~800 teams** at Tutedude-national hackathon; built [GullyBazar](#) in 48 hours. (With Team of 3)

Open Source & Developer Tooling

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

- Maintainer of open-source BaaS platform with 60+ forks and 40+ stars, focused on scalable multi-tenant backend architecture. (Reviewed 70+ PRs from 40+ external Contributors)

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.