

# YASH POURANIK

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 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 [Open Source](#) [Live](#)

- Built an instant BaaS platform enabling developers to provision NoSQL databases, JWT-based authentication, and cloud storage through ready-to-use REST APIs.
- Implemented API key-based access control, rate limiting (express-rate-limit) for abuse/DDoS protection, and Zod schema validation to ensure data consistency.
- Developed a visual schema builder and real-time analytics dashboard (API usage, traffic, storage quotas) to support scalable, production-ready usage.

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

- Built and deployed a production-ready notes sharing platform with session-based authentication (Passport.js + MongoDB store) and role-based access control.
- Integrated Cloudinary file storage with a round-robin multi-account upload strategy to handle bandwidth limits and traffic spikes.
- Scaled the platform to handle 4,200+ total downloads, 2,900+ unique downloads, and 1,700+ unique sessions, and added an AI-powered note summarization & chat assistant.

### trekStay – Full Stack Stay Booking Web App(MERN) [Repo](#) [Live](#)

- Built an Airbnb-inspired stay booking platform with dual roles (user & admin), supporting listing creation, booking, reviews, and moderation.
- Implemented role-based access control, secure authentication using Passport.js, and full CRUD workflows for listings and users.
- Deployed the application on Render with MongoDB Atlas, focusing on clean MVC architecture and production-ready backend flows.

## SKILLS

- **Languages:** C, C++, Java, JavaScript
- **Frontend:** HTML, CSS, Bootstrap, React, EJS
- **Backend:** Node.js, Express.js, REST APIs, Session-based Auth, JWT, MVC Architecture
- **Databases & Storage:** MongoDB (Atlas), SQL, Cloudinary
- **Tools & Platforms:** Git, GitHub, Render, Vercel, MongoDB Compass, VS Code

## EDUCATION

### B.Tech(CSE)

Shri Vaishnav Institute of Information Technology, Indore

CGPA: 7.38 | 2023-27

## Achievements & Hackathons

- Selected as **MERN** Teaching Assistant Intern at Apna College; mentored 200+ students in full-stack web development.
- Built GullyBazar, a full-stack marketplace for street food vendors during a 48-hour national hackathon (Tutedude – Solve for India).
- Deployed and managed production applications using Render hosting, Cloudflare DNS & SSL, and scalable backend setups.