

Priyanshu Tariyal

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Professional Summary

Software Developer specializing in React.js, Next.js, Typescript, Python, MongoDB, PostgreSQL and GCP with proven experience at Indeva optimizing backend systems and database performance. Focused on building scalable, reliable systems and efficient APIs.

Technical Skills

Languages: JavaScript, Typescript, Python, HTML5, CSS3, SQL, C++

Backend: Node.js, Express.js, RESTful APIs, Flask, NestJS

Frontend: Next.js, React.js, Redux, Tailwind CSS, Tanstack Query

Databases: MongoDB, MySQL, PostgreSQL

Cloud & DevOps: GCP, Docker, Git, GitHub, Microsoft Azure

Professional Experience

Software Developer — Indeva

March 2025 – Present

New Delhi, India

- Architected and deployed full-stack educational ERP modules using Next.js, TypeScript, and Node.js across **8+ production releases**, perform system design, API development, and production support.
- Implemented Feide (OIDC) authentication with NextAuth JWT sessions and custom RBAC middleware securing **100%** of routes, alongside multi-step assessment evaluation workflows and interactive analytics dashboards.
- Collaborated on an automated Python backup scheduler migrating core production data from MongoDB to PostgreSQL, featuring automated pre-run CPU/memory health checks to safeguard live server performance.
- Applied React Query caching and API request deduplication across frontend modules, reducing redundant API requests and improving page load performance through efficient client-side data caching.

Software Development Intern — Defensium Labs

July 2024 – October 2024

Remote, India

- Built full-stack web applications using Next.js and TypeScript, collaborating closely with senior engineers on UI planning, authentication workflows, file uploads, and cloud deployments on Microsoft Azure.
- Developed core features for a role-based Cybersecurity Freelancing Platform supporting Admin, Client, and Freelancer portals with secure login, project posting, and multi-step approval workflows.
- Deployed applications to Microsoft Azure and provisioned Azure Cosmos DB for MongoDB to handle secure, managed NoSQL data storage.

Projects

Playtube – Full-Stack Video and Social Platform — [GitHub](#) | [Live](#)

React, TypeScript, Node.js, Express.js, MongoDB, TanStack Query, JWT, Cloudinary, Multer

- Architected a full-stack video streaming and social interaction platform, complete with creator analytics, subscriber feeds, and community tweets.
- Optimized database performance by writing multi-stage MongoDB aggregation pipelines to query nested multi-level video comments and channel statistics in single database requests.

- Engineered frontend state management and auth security using TanStack Query and Axios interceptors for optimistic UI updates and seamless background JWT token rotation.

Education

B.Tech in Computer Science

2021 – 2025

Graphic Era Hill University, Dehradun

CGPA: 8.31 / 10.0

Final Year Project: Social Media Fake News Detection – Prevent the spread of fake news on social media platforms. It provides a reliable tool to analyze posts, threads, and tweets to determine whether the information shared is real or fake.