Dev Shakya

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Professional Summary

Full Stack Developer specializing in **Next.js**, **TypeScript**, and **Serverless** architectures. Engineered AI-powered **RAG systems** (**Gemini SDK, pgvector**) that slashed content processing time from **4 hours to 3 minutes** and spearheaded SEO overhauls driving a **240% increase** in organic traffic. Expert in deploying high-performance scalable edge solutions on **Cloudflare Workers** and **AWS**.

Work Experience

Full Stack Developer Intern   Aug. 2025 – Oct. 2025
Boredhead Labs   Remote, India

- Built a **RAG-based semantic search** engine (**Gemini SDK**, **pgvector**) for natural language querying of SaaS deals, reducing search time by **45%**.
- Created a serverless pipeline (**Cloudflare Workers**, **Cron**) to scrape and normalize **Reddit** data, cutting content curation time from **4 hours to 3 minutes**.
- Integrated **DodoPayments** and **BetterAuth** to secure premium data tiers, enabling access for **2,000+ users** and increasing monthly revenue by **12%**.
- Established **GitHub Actions** CI/CD for automated deployments and added in-memory caching, slashing API latency by **30%**.

Full Stack Developer (Freelance)   Apr. 2025 – Jun. 2025
M.P. Pharmaceuticals Group of Co.   Ambala, India

- Revamped the corporate platform using **Next.js 15** and implemented advanced SEO strategies, driving a **240% increase in organic traffic** to reach **10k+ monthly visits**.
- Developed a context-aware AI chatbot with session memory using **Gemini SDK**, which reduced the bounce rate by **18%** by providing instant business context to visitors.
- Configured **Cloudflare R2 + Workers CDN** to accelerate asset delivery, maintaining a consistent ∼**21% bounce rate** through optimized caching.

Projects

Anime Discovery and Streaming Platform (Anveshna) | *Next.js, HLS, Proxy Server*   May 2024 – Present
🌐 Live Link | 🪐 GitHub

- Orchestrated a scalable distributed backend serving **21.6k+ views** and **8.05k+ visitors** in last 90 days by separating the Main Content API (Fastify) from a containerized streaming scraper running on **GCP Cloud Run**.
- Optimized video delivery latency for **100+ concurrent viewers** by engineering a serverless edge proxy using **HonoJS on Cloudflare Workers** to parse HLS streams and bypass CORS restrictions.
- Garnered community recognition with **37+ GitHub stars** and **28+ forks** by developing a high-performance **Next.js** frontend with ShadCN UI that ensured consistent playback across devices.

Automated Result Analysis System (Singularity) | *Electron, TypeScript, Node.js*   Nov. 2024 – Feb. 2025
🌐 Live Link | 🪐 GitHub

- Slashed result processing turnaround for **1,200 students** from **5 days to 40 minutes** by engineering a TypeScript automation engine that parses records at ∼**1.5 seconds/student**.
- Served **18.3k+ page views** and **7.9k+ unique visitors** over 6 months by deploying a public-facing result portal that democratized access to student performance data.
- Earned **2nd Place** (out of **150+ teams**) at an inter-college hackathon by cutting manual data-entry time and errors by **99.9%**.

Technical and Soft Skills

Languages: TypeScript, JavaScript, Java, Python, SQL, HTML/CSS

Frameworks & Libraries: Next.js, React.js, Node.js, Hono, Express, Tailwind CSS, Prisma

Cloud & Databases: AWS (EC2, S3, Lambda, ECS & ECR, RDS), Cloudflare (Workers, R2), Docker, PostgreSQL, Redis, MongoDB, CI/CD

Core Concepts: Data Structures & Algorithms (DSA), OOP, DBMS, Operating Systems, Computer Networking, REST/GraphQL, Microservices, Agile/Scrum, Unit/Integration Testing

Soft Skills: Problem solving, Accountability, Communication, Adaptability, Collaboration, Organizational Skills

Education

Meerut Institute of Engineering and Technology   Meerut, India
Bachelor of Technology in Computer Science Engineering | **9.14 SGPA**   Aug. 2023 – Expected Jun. 2027