

Shaswat Raj

Full-Stack Engineer | AI Product Builder | Student Founder

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SUMMARY

Full-stack and AI product builder pursuing B.Tech CSE at BIT Mesra. Built and shipped SaaS products, AI tools, developer tools, SEO/indexing systems, content platforms, form backends, landing pages, and MCP/automation experiments using Next.js, React, TypeScript, Node.js, Python, APIs, AI workflows, databases, deployment, and SEO.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, PHP, SQL, HTML, CSS

Frontend: Next.js, React, Astro, Tailwind CSS, shadcn/ui, responsive UI, landing pages, SEO-focused pages

Backend: Node.js, Express, Laravel, REST APIs, webhooks, authentication, cron jobs, serverless functions

AI/Automation: OpenAI integrations, AI agents, MCP servers, retrieval workflows, vector search, prompt engineering

Infra/Data: PostgreSQL, Neon, Qdrant, Cloudflare Workers, AWS basics, Git, GitHub, Vercel, Surge

FEATURED PROJECTS

Debo - AI Memory and Productivity OS

debo.life

Founder; Next.js, TypeScript, AI workflows, PostgreSQL/Neon, Qdrant, LiveKit

- Building a personal AI memory system that captures voice notes, journals, links, chats, calendar context, and knowledge for later retrieval.
- Designed capture-to-extraction-to-memory-to-retrieval architecture using structured storage, vector search, and AI workflow layers.

30tools - Online Utility Toolkit

30tools.com

Founder/Builder; Next.js, React, TypeScript, Tailwind CSS, utility tools, SEO

- Built a privacy-first web utility platform with hundreds of tools for developers, creators, SEO workflows, text, files, and productivity.
- Implemented reusable tool pages, programmatic content structure, fast static/edge delivery, and search-friendly URL architecture.

IndexFast - SEO Indexing Automation

indexfast.co

Full-stack builder; dashboards, feeds, IndexNow, Bing API, cron jobs

- Built an indexing product for fetching sitemap/RSS/feed URLs and submitting them through IndexNow, Bing API, daily cron, and toolbox/MCP workflows.

Linespedia - Content and Quotes Platform

linespedia.com

Builder; Astro, Tailwind CSS, Cloudflare Workers, MDX, APIs, programmatic SEO

- Built a poetry, quotes, and shayari platform with MDX content, APIs, sitemap shards, poster generation, search pages, and SEO cleanup strategy.

FormGuard, MCP Pure and Apify/API Experiments

mcppure.30tools.com

Builder; APIs, MCP, automation, actors, developer workflows

- Built form backend, MCP/tooling, API, and automation experiments for submission handling, developer utilities, publishing workflows, and marketplace-ready actors.
- Won a \$100 Apify hackathon prize and continued building actor/API ideas around open data, automation, and developer workflows.

EXPERIENCE

Independent Product Builder / Founder

2024 - Present

Debo, 30tools, IndexFast, FormGuard, Linespedia, Wify, MCP tools

Remote / India

- Shipped multiple public products across AI, SaaS, developer tools, SEO tools, form infrastructure, content platforms, and startup landing pages.
- Owned end-to-end execution: idea research, UI/UX, frontend, backend, APIs, databases, deployment, SEO, launch pages, and feedback loops.

Technical Lead / Community Organizer

2024 - Present

IEEE Student Branch BIT Mesra; CNCF Ranchi Organizer

Ranchi, India

- Contributed to technical community activities, developer learning, student collaboration, and cloud-native/open-source ecosystem building.

EDUCATION

Birla Institute of Technology, Mesra

2024 - 2028

B.Tech in Computer Science and Engineering

Ranchi, India

ACHIEVEMENTS AND LEADERSHIP

- Apify Hackathon Winner - won a \$100 prize for building with Apify/API automation.
- Built and maintained 100+ public GitHub repositories across AI tools, SaaS apps, DevTools, automation, and experiments.
- IEEE Student Branch BIT Mesra Technical Lead; CNCF Ranchi Organizer; active builder in public through portfolio, GitHub, open-source projects, and startup experiments.