AYUSH JUVEKAR

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Full-Stack Engineer

PROFILE

Full-stack engineer building production web products with Next.js, TypeScript, databases, auth, payments, analytics, and deployment ownership.

EDUCATION

Michigan Technological University, Houghton, MI — **CGPA: 3.9/4.0**
M.S. Computer Science — Graduated Apr 24, 2026

Pune Institute of Computer Technology, Pune, India — **GPA: 8.14/10**
B.E. Computer Engineering — Jun 2024

EXPERIENCE

Freelance Sole Developer | The Mind Point - Mental Health Education Platform — Aug 2025 - Present
Pune, India

- Built a production course-commerce platform from scratch for a mental health education business, supporting real paid enrollments through Razorpay and Clerk-authenticated accounts.
- Owned storefront, cart, checkout, enrollment, admin tracking, analytics, email confirmations, and Vercel deployment across the full product workflow.

Teaching Assistant - Physics Department | Michigan Technological University — Sep 2024 - Apr 24, 2026
Houghton, MI

- Supervised and graded physics labs for 100+ students across four semesters, guiding experiments, explaining concepts, and providing clear feedback across five lab sections per semester.

SELECTED PROJECTS

YayCamp - Campground Discovery Platform | *Next.js, TypeScript, Prisma, PostgreSQL, Clerk, React Leaflet* | Live | GitHub

- Built and deployed a full-stack campground discovery app with Next.js, TypeScript, Clerk authentication, Prisma, PostgreSQL, and React Leaflet maps.
- Connected searchable listings, relational data models, auth flows, map-based discovery, and public deployment into one end-to-end personal product.

Ranking App - Preference Ranking Tool | *TypeScript, React, Next.js, Redis* | Live | GitHub

- Designed and built a novel preference-ranking app after finding bracket tools ignored choice confidence; used decision latency to weight close vs. decisive matchups.
- Persisted user-defined item sets with Redis and normalized final rankings to a 100-point score for clearer comparison.

MonkeyLang-CS - Interpreter Port | *C#, .NET, TDD* | GitHub

- Ported Thorsten Ball's Monkey interpreter from Go to idiomatic C#, implementing lexer, parser, AST, evaluator, object system, REPL, functions, closures, arrays, hashes, and built-ins.
- Followed the book's test-first workflow to practice interpreter internals, language runtime design, and disciplined implementation across a translated architecture.

TECHNICAL SKILLS

Languages	TypeScript, Python, Java, C#
Frontend	React, Next.js, Tailwind CSS, shadcn/ui
Backend	Node.js, Express.js, REST APIs, Prisma ORM
Databases	PostgreSQL, Redis, MongoDB
Product Integrations	Clerk, Razorpay, Resend, PostHog
DevOps	Docker, Git, Vercel, Linux