

KHUSHAL JAIN

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology in Computer Science and Engineering
Cumulative GPA: 8.38/10

Bhopal, India
Oct 2022 -- Oct 2026

WORK EXPERIENCE

VUJIS

Software Development Engineer (SDE)

Hyderabad, India
Feb 2026 -- Jun 2026

- Architected an AI-powered company-matching pipeline (Python, OpenAI API, AWS EC2) linking 1M+ records to Dun & Bradstreet, and shipped a Next.js/PostgreSQL admin dashboard that eliminated 100% of manual data-entry work.
- Engineered a highly available Node.js webhook server processing 10,000+ leads/month for European markets, integrating Close CRM, Stripe, and SendGrid behind a custom load-balancing routing engine spanning 10+ regional endpoints.
- Reduced LLM inference costs 3.7x (\$0.605 to \$0.164 per run) by benchmarking 50+ queries across Perplexity and OpenAI models while preserving data-extraction accuracy, and migrated the pipeline to the OpenAI Responses API.
- Deployed a Playwright-based scraper for Dun & Bradstreet with rotating residential proxies and Cloudflare bypass, sustaining 40,000+ records/day across a 100-proxy pool into a PostgreSQL/Knex.js pipeline.

PRINTONIA

Full-Stack Developer Intern

Remote
Jan 2025 -- May 2025

- Revamped 5+ client-facing web applications using React and Tailwind CSS, improving mobile responsiveness and reducing reported UI bugs by 30%.
- Implemented and integrated REST APIs across 3+ enterprise projects, connecting frontend interfaces with backend microservices.
- Accelerated project delivery by 15% within an 8-person Agile team by following disciplined Git version-control workflows and sprint-based planning to ship features on schedule.

PROJECTS

MEET AI | [Github](#) | [Live](#)

2026

Next.js, React, TypeScript, PostgreSQL, OpenAI, Stream SDK, Drizzle ORM, tRPC

- Developed a full-stack AI video platform for real-time voice conversations using OpenAI Realtime API and Stream Video SDK, supporting custom AI agents across 20+ live sessions.
- Automated post-call data processing via Inngest workflows to generate AI summaries; integrated a context-aware interface using Stream Chat SDK.
- Deployed type-safe backend architectures utilizing 15+ tRPC procedures and TanStack Query; implemented OAuth authentication and built a session dashboard.

CLOUD CODING AGENT | [Github](#)

2026

Next.js, Node.js, Express, Socket.IO, E2B, Groq

- Built an autonomous coding agent (Next.js, Node.js) utilizing an LLM tool-calling loop across 6 distinct tools to autonomously read, edit, and test code, generating 15+ pull requests.
- Secured execution by isolating LLM processes inside E2B cloud sandboxes, preventing tampering while streaming live WebSocket telemetry to the UI.
- Hardened system architecture against adversarial exploits by patching a shell routing vulnerability, blocking 1 critical path to prevent unauthorized Git execution.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, C++, HTML, CSS

Frameworks & Libraries: Next.js, React, Node.js, Express, tRPC, Drizzle ORM, Socket.IO, Zustand, Tailwind CSS

Databases & Cloud: PostgreSQL, MongoDB, MySQL, Redis, AWS, Docker, Vercel

AI & Backend Tools: OpenAI API, Groq, Perplexity API, REST APIs, JWT, OAuth, Git/GitHub, Playwright, Stripe, Inngest, Stream SDK, Kafka/BullMQ

Core Concepts: Data Structures & Algorithms, System Design, API Design, Microservices, Agile/Scrum, CI/CD, OOP