

TUSHAR AGARWAL

Chandigarh, India

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✉️ [Email](#)

🌐 [Portfolio](#)

GitHub

LinkedIn

Twitter

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C/C++, SQL

Frontend: React.js, Next.js, HTML, CSS, TailwindCSS, Context API, Zustand

Backend: Node.js, Express.js, Hono, REST APIs, WebSockets, Prisma, Drizzle, PostgreSQL, MongoDB, Redis, OAuth

DevOps & Cloud: Docker, AWS (EC2, S3, RDS), Cloudflare Workers, Nginx, CI/CD, GCP, Linux, Git/GitHub

AI, ML & Web3: Generative AI, RAG Pipelines, LLMs, VectorDBs, Hugging Face, FastAPI, Smart Contracts

Experience

AiGeeks

Dec 2025 – Present

Full Stack Developer (Part-time)

Dubai, UAE (Remote)

- Building **Grantify** – an educational platform connecting schools, students, and universities, streamlining the college application process for improved efficiency
- Developing intuitive user experiences with Next.js and React frontend, Node.js/Express backend, and PostgreSQL with Drizzle ORM for robust data management
- Implementing AI-powered features using FastAPI and modern state management with Zustand, maintaining clean and scalable codebase

RightLabs

Dec 2024 – June 2025

Software Engineer

Remote

- Built **Starrd** – creator collaboration tool serving 12K+ users with Instagram/YouTube API integration, OAuth flows, and AI-driven analytics using Next.js, Node.js, MongoDB
- Implemented SSR with JWT validation, Redis caching, and real-time webhooks achieving 40% performance boost
- Developed automated web scraping solutions processing 100K+ records daily with 99.8% accuracy using JavaScript, Puppeteer, and intelligent anti-detection mechanisms

Projects

ShinoLearn – Web3 Language Learning Platform | [Demo](#)

- EdTech platform combining AI tutoring with financial incentives – users stake USDC on learning goals, earning 5-10% returns on completion or forfeiting stakes on failure
- Built team staking guilds and proof-of-learn leaderboards, achieving 85% user retention through loss aversion psychology
- **Tech:** Next.js, Polygon blockchain, OpenAI/Ultravox APIs, Smart Contracts, Voice AI, Ethers.js

Flow AI – End-to-End Marketing Automation Platform | [Live](#)

- Complete marketing suite: neural image enhancement, AI video generation from single images, automated voice campaigns with CSV contact processing
- Orchestrated complex AI pipelines (GPT → Veo2 → FFMPEG) with failure handling, Redis queues, and rate limiting
- **Tech:** Next.js, TypeScript, PostgreSQL, Prisma, OpenAI APIs, Docker, FFMPEG, Twilio, Cloudinary, Replicate

Maklach AI – Intelligent Call Management System | [Live](#)

- AI-powered call routing with real-time conversation analysis, knowledge bases, and WebRTC integration
- Built comprehensive call management infrastructure with outbound campaigns, custom voice assistants, and document-based knowledge integration serving enterprise clients
- **Tech:** Next.js, TypeScript, AI APIs, WebRTC, Ultravox, Vector Databases, Stripe, Docker

Achievements

Hackathon Champion | Won 6+ hackathons for AI/Web3 innovation ([Images](#))

Freelance Work | Delivered 8+ production-ready applications with 100% client satisfaction rate

Technical Leadership | Published technical articles and mentored developers ([Blog](#))

National Sports Champion | National-level skating competitor with multiple state and regional medals

Education

Chitkara University, Himachal Pradesh

Aug 2023 – Jul 2027

B.Tech Computer Science Engineering – 8.86 CGPA

- Coursework: Data Structures & Algorithms, OOP, Operating Systems, Computer Architecture, DBMS, Computer Networks