

DIVYANSH GUPTA

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OBJECTIVE

Full-Stack Developer and AI systems builder proficient in Python, JavaScript, and modern web technologies. Experienced in architecting end-to-end platforms — from multi-agent AI pipelines to high-performance WebGL frontends. Hack Energy 2.0 Finalist. Seeking a Software Developer / Full-Stack Intern role to deliver scalable, production-grade solutions across the product stack.

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, React, Next.js, TailwindCSS, Three.js/WebGL, GSAP, Responsive Design
Backend & Python: Python, FastAPI, REST API Design, Celery, Redis, Web Crawling, Modular Backend Systems
AI / ML: spaCy, sentence-transformers, HuggingFace, CrewAI, Multi-Agent Systems, LLM Integration (Groq/Claude)
Databases: PostgreSQL, MySQL, SQLAlchemy, ElasticSearch, Structured Query Design
Tools & DevOps: Git, GitHub, Docker, Linux, Vercel, GitHub Actions, pytest
Concepts: Full-Stack Development, Data Pipeline Engineering, Smart Contract Auditing, OWASP Top 10, Threat Modeling

EXPERIENCE

Backend Developer Jan 2026 – Present
XTRAGRAD-AI – AI-HR Recruitment Simulator
– Architected a 50-endpoint FastAPI backend (Admin + Candidate dashboards) with async SQLAlchemy, PostgreSQL, and JWT-based auth for an AI-driven recruitment platform.
– Integrated spaCy + sentence-transformers for resume parsing and candidate-role semantic matching; wired AI team’s microservice via a contract-driven HTTP client with local-model fallback.
– Built Celery + Redis async task queue for long-running AI inference jobs; maintained 39-test pytest suite against in-memory SQLite with mocked AI/LLM layers.

Blockchain Developer May 2025 – Jun 2025
IBM
– Audited Ethereum smart contracts for reentrancy, improper access control, and gas misuse; applied secure coding patterns and iterative testing to eliminate logic flaws pre-deployment.

Frontend Developer Jan 2024 – Mar 2024
1Stop.ai
– Built and optimised responsive UIs using HTML, CSS, and JavaScript; restructured frontend architecture to reduce load times and enforced strict input validation to shrink client-side attack surface.

PROJECTS

CivicShield | *Python, HTML, CSS, JavaScript* | [GitHub](#) | *Hack Energy 2.0 Finalist* 2026
– Built a full-stack security platform performing automated web crawling, JavaScript endpoint extraction, and attack surface mapping with a parameter fuzzing engine detecting SQLi and XSS vulnerabilities.
– Integrated phishing detection, access control auditing, and SEO hardening (XML sitemap, Open Graph tags) for end-to-end threat coverage and real-world deployment readiness.

TrustSphere AI | *FastAPI, CrewAI, HuggingFace, Next.js, Polygon, OpenCV* | *In Development* 2026
– Designing a multi-agent forensic AI system running four parallel agents (Image, Video, Audio, Metadata) via CrewAI to detect deepfakes and determine manipulation type (face swap, voice clone, GAN-generated).
– Incorporates GAN fingerprinting to attribute synthetic media to specific models (Stable Diffusion, DALL-E, Midjourney), Grad-CAM XAI heatmaps, Polygon blockchain audit trail, and a Chrome extension for right-click verification.

DIVI://VOID Portfolio | *Next.js, Three.js/WebGL, GSAP, Groq API, Resend* | [Live](#) 2026
– Engineered a high-performance personal portfolio with GPU-gated WebGL particle fields (80k particles), GSAP ScrollTrigger animations, and Lenis smooth scroll — all under a strict CSP + security header policy.
– Shipped an AI chatbot (Llama 3.3 70B via Groq) with sliding-window rate limiting (10/min, 50/hr per IP), a Zod-validated contact API (Resend), and a Vercel Cron keep-warm endpoint.

Regulatory Risk Signal Pipeline | *Python, ElasticSearch, REST APIs, Automated Reporting* 2025
– Designed an end-to-end pipeline ingesting unstructured financial data, classifying risk signals, and indexing findings for real-time querying; automated compliance reports with >85% precision and per-stage validation for full auditability.

EDUCATION & LEADERSHIP

Vellore Institute of Technology Expected 2027
Bachelor of Computer Science and Engineering
– Relevant Coursework: Computer Networks, Cryptography, Operating Systems, Database Management Systems

General Operations & Management Head – VIT Blockchain Community Club 2024 – Present
– Lead operations for the college blockchain community; mentor 150+ students in software, security, and decentralized systems.
– Drive technical discussions on penetration testing, IoT security, cyber-physical systems, and LLM-based security tooling.

CERTIFICATIONS

Blockchain – IBM | Python – Udemy | Web Development – Udemy | Google Cybersecurity Professional Certificate – Coursera