# Gaurav Kaushal

Delhi NCR, India | +91-8934072055 | gaurav457th@gmail.com | linkedin.com/in/gauravkkaushal | github.com/Gauravkkaushal

## Education

**KIET Group of Institutions** — Ghaziabad, Uttar Pradesh
*Bachelor of Technology in Computer Science and Engineering (AI & ML)* | ***CGPA: 8.34/10*** — *2024 – 2028*

**DAV Public School, Kumarganj** — Ayodhya, Uttar Pradesh
*Class XII (CBSE)* | ***83%*** — *2022 – 2023*

## Projects

**NetraShield – Autonomous Browser Agent** — GitHub | Sep 2026
*Python, FastAPI, Hugging Face Transformers, React 19, TypeScript, Tesseract.js*

- Built an autonomous **computer-use agent** (Chrome extension) that takes natural-language instructions from messaging interfaces and executes **multi-step web navigation workflows**.
- Designed the perception-to-action pipeline: **Tesseract.js OCR** reads page state, and a **Python FastAPI** backend serves **Hugging Face Transformer** models for on-device, low-latency intent classification.
- Tested the extension with **Vitest** and the Python backend with **pytest**.

**CreatorFlow AI – Audience Intelligence Platform** — GitHub | Oct 2026
*Google Gemini API, Next.js 15, TypeScript, NextAuth, Zod, Jest*

- Built an **AI audience-intelligence platform** for YouTube creators that automates **sentiment analysis, question extraction and trend clustering** on audience comments across 7 studio modules.
- Integrated the **Google Gemini API** to generate virality-scored content strategies and SEO metadata.
- Secured with **NextAuth** OAuth (MongoDB adapter) and route middleware, with type-safe schemas validated by **Zod**; unit-tested with Jest and React Testing Library.

**ShopMall – Full-Stack E-Commerce Platform** — GitHub | Dec 2025 – Apr 2026
*Node.js, Express.js, MongoDB Atlas, React 19, JWT*

- Built a MERN store with catalogue, cart and checkout flows: **10+ REST endpoints** on Express and MongoDB Atlas, with **JWT auth (refresh-token rotation)** and bcrypt password hashing.

## Experience

**Frontend Developer Intern** — Jan 2026 – July 2026
*MaxVelocityLabs* — *Remote*

- Integrated **Firebase Authentication** and **Cloud Firestore** real-time sync with custom security rules for a production app with **500+ active users**.
- Implemented **Cloudflare R2** object storage through the **AWS S3 SDK** to stream video and wallpaper assets.
- Built 10+ responsive **React.js** interfaces and 15+ reusable components (Hooks, Context, React Router), and integrated 8+ backend **REST APIs** with Axios.
- Worked in a feature-branch Git/GitHub workflow and took part in code reviews.

## Technical Skills

**AI / ML**: LLM APIs (Google Gemini), Prompt Engineering, Hugging Face Transformers, OCR (Tesseract)
**Languages**: Python, TypeScript, JavaScript (ES6+), C++, HTML5, CSS3
**Backend & Databases**: FastAPI, Node.js, Express.js, REST APIs, MongoDB Atlas, Firebase (Firestore)
**Cloud & DevOps**: AWS (S3, EC2, Lambda, CloudWatch – SAA-C03 Certified), Cloudflare R2, Git, GitHub
**Frontend**: React.js, Next.js 15 (App Router), Tailwind CSS, Vite
**Testing & Tools**: pytest, Jest, Vitest, Postman, Zod, NextAuth, JWT

## Certifications & Achievements

**AWS Certified Solutions Architect – Associate (SAA-C03)**, Amazon Web Services — *2026*
**AWS Certified Cloud Practitioner (CLF-C02)**, Amazon Web Services — *2025*
**Innotech Hackathon Finalist**: Selected at departmental level for rapid prototyping and problem-solving — *2025*