Kushar Raj Kashyap

Software Developer | Python, JavaScript | Backend and GenAI Applications

Bengaluru, Karnataka, India | kusharraj11@gmail.com | +91-7272972089

linkedin.com/in/kushar-raj-kashyap | github.com/Kusharraj11 | iamkrk.netlify.app

SUMMARY

Software developer (MCA, 2025) skilled in Python, JavaScript, FastAPI, Phaser 3 and CI/CD. Built a tested GenAI memory service (Gemini, Mem0, Qdrant) and a 20-level browser game auto-deployed with GitHub Actions. Trainee experience in HTML5 game development and DevOps (Jenkins, Docker, Terraform, AWS). Seeking junior Software, Python or GenAI Developer roles.

SKILLS

Languages: Python, JavaScript (ES6+), SQL, C

Backend and APIs: FastAPI, REST API design, SQLite, pytest, unit testing

GenAI: LLM integration (Gemini API), RAG (retrieval-augmented generation), Mem0, Qdrant, vector databases, embeddings, semantic search, prompt engineering

Frontend and Games: Phaser 3, HTML5 Canvas, Webpack, CSS3

ML and Data: scikit-learn, Random Forest, pandas, NumPy, Matplotlib

DevOps and Cloud: CI/CD, GitHub Actions, Jenkins, Docker, Docker Compose, Ansible, Terraform, AWS (EC2, S3), Linux, Git

Core CS and Tools: Data Structures and Algorithms, OOP, DBMS, Claude Code (CLI), VS Code, Postman

EXPERIENCE

HTML5 Developer Trainee, BR Softech Pvt. Ltd., Jaipur — Feb 2026 – May 2026

- Built Phaser 3 and JavaScript gameplay systems (physics, collision detection, state machines, scoring, multi-level progression) for multiple HTML5 game titles.
- Automated game deployment to GitHub Pages with GitHub Actions CI/CD; worked with Git, daily code review and milestone sign-offs through the full 10-week program.

AI-DevOps Engineer Trainee, Bihar Skill Development Mission and Orbiqe Technologies, Noida — Sep 2025 – Feb 2026

- Built CI/CD pipelines with Jenkins, Ansible, Docker, Terraform and AWS to automate build, test and deployment; provisioned infrastructure as code and managed Linux servers.
- Delivered HMRS, an HR management system, covering source control, containerisation, CI/CD and deployment.

Graphic Design Intern, InAmigos Foundation, Remote — Jun 2025 – Jul 2025

- Produced 10+ campaign visuals for 2 social-impact campaigns; recognised by the CEO for quality and early delivery.

PROJECTS

Recall AI: Long-Term Memory for AI Agents, Python, FastAPI, Gemini, Mem0, Qdrant, Docker, pytest

- Built a chat service with per-user long-term memory: Mem0 decides ADD, UPDATE, DELETE or NONE per fact, stored as 768-dimension Gemini embeddings in Docker-hosted Qdrant.
- Served /chat and /health via FastAPI, injecting retrieved memories into Gemini prompts per user.
- Wrote pytest tests with fakes (updates, deletes, duplicates, user isolation); kept Mem0 behind a MemoryStore adapter.

Tokyo Can Sort, Phaser 3, JavaScript, Webpack, GitHub Actions. Live: kusharraj11.github.io/Tokyo-Can-Sort-Game-

- Built a 20-level colour-sorting puzzle game with two modes; wrote the game loop, level state machine and win/fail logic from scratch, with tap-first mobile and desktop input.
- Set up Webpack bundling and a GitHub Actions workflow that auto-deploys every push to GitHub Pages.

Disaster Recovery Advisor, MCA major project. Python, scikit-learn, pandas, SQLite — 2024 – 2025

- Owned data cleaning, modelling and evaluation: trained a Random Forest to predict disaster type and severity from historical, geographic and time-based data, using oversampling for class imbalance.
- Added impact estimation (casualties, economic loss, infrastructure damage) and recovery recommendations, plus a SQLite relief inventory that warns on low stock.

EDUCATION

Master of Computer Applications (MCA), Haldia Institute of Technology, CGPA 8.11/10 — 2023 – 2025

Bachelor of Computer Applications (BCA), Birla Institute of Technology, Mesra, Patna, CGPA 8.63/10 — 2020 – 2023

Full Stack Development with AI (in progress), Sharpener: DSA, React, backend, REST APIs — Jul 2026 – present

CERTIFICATIONS

- BCG X GenAI Job Simulation, Forage, Sep 2026: rule-based financial chatbot from 10-K and 10-Q data (Python, pandas)
- AI-DevOps Engineer (SSC/Q8112, NSQF Level 5), NSDC / Skill India, Feb 2026; Getting Started with DevOps on AWS, Nov 2025
- Generative AI Mastermind, Outskill, Aug 2026; Data Analytics Job Simulation, Deloitte / Forage, Jul 2025