

KUMAR SAMBHAV

Associate AI and Data Engineer | Python and TypeScript

Greater Noida, Uttar Pradesh, India | krsambhav05@gmail.com | +91 8252581619

[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SUMMARY

B.Tech student in Computer Science and Information Technology with project experience in AI-agent security tooling, policy evaluations, workflow and dependency checks, React applications, and a Go CLI. Strong foundation in Python, TypeScript, JavaScript, SQL/DBMS, testing, debugging, technical documentation, and Git-based development. Built self-directed projects from feature design through validation and documentation. Seeking an entry-level AI and data engineering opportunity to contribute to reliable, secure, and data-informed software solutions.

PROFESSIONAL EXPERIENCE

Independent Software Project Developer

2025–Present

Self-directed project work

- Developing AgentShield, a policy-as-code AI-agent security control plane with deterministic checks, workflow/dependency inventory, auditable decisions, and remediation playbooks.
- Built and validated SecondYouth and ImgFlow, documenting application workflows, edge cases, installation, source-build, and image-processing workflows.

EDUCATION

Dronacharya Group of Institutions, Greater Noida

2023–2027

B.Tech in Computer Science and Information Technology, AKTU

PT B P Saraswati Vidya Mandir, Bokaro, Jharkhand

Class XII | CBSE | 2023

De Nobili School, Chandrapura, Jharkhand

Class X | ICSE | 2021

TECHNICAL SKILLS

Skills: Python, TypeScript, JavaScript, SQL, DBMS, React.js, Policy-as-Code, GitHub, Testing and Debugging, Technical Documentation, Security and Privacy Awareness, Responsible AI Awareness, Data Structures and Algorithms, OOP Fundamentals, Problem Solving

SELECTED PROJECTS

AgentShield — Policy-as-Code AI Agent Security Control Plane

Ongoing

TypeScript, React, Vite, Tailwind CSS, Policy-as-Code [GitHub](#)

- Working on an AI-agent security control plane that detects and explains risky coding-agent changes using deterministic checks for secrets, workflow logs, and dependency inventory.
- Building structured Policy-as-Code evaluations with versioned rules, auditable decisions, explanations, snapshots, and remediation playbooks.
- Developing a React/Vite/Tailwind dashboard to organize scan results, risk scores, approvals, and audit trails.

SecondYouth — Senior-Citizen Assistance Web Application

2025–Present

React, Vite, JavaScript, Tailwind CSS, ESLint, Vercel [GitHub](#)

- Developed a responsive React/Vite application for senior-citizen assistance workflows with a live Vercel deployment: [Live Demo](#).
- Refined application flows for biometric-only login, settings, and medicine deep linking using reusable components and client-side navigation.
- Validated authentication, navigation, and medicine-related workflows across expected and edge-case scenarios; documented observations.

ImgFlow — Open-Source Image Processing CLI

2025–2026

Go, Linux, CLI, Image Processing [GitHub](#)

- Built an open-source Go CLI for image workflows including theme and palette conversion, compression, OCR, format conversion, terminal preview, and visual effects.
- Supported Unix pipes and redirection, pixel-art conversion, GIF creation, background removal, palette extraction, icon recoloring, and image transformations.
- Documented repeatable installation and source-build paths.

CERTIFICATIONS AND TRAINING

Introduction to Software Testing

March 2026

Networking Basics — Cisco Networking Academy

March 2026

Cloud Code in Action — Anthropic

April 2026

Introduction to Cybersecurity — Cisco Networking Academy

April 2025

Training: Forage — British Airways Data Science Job Simulation

March 2026

Languages: English, Hindi, Learning Mandarin.