KARTIK TYAGI

+91 9997133354 ◇ kartiktyagi1201@outlook.com ◇ LinkedIn ◇ GitHub ◇ Portfolio

SUMMARY

Full-stack developer specializing in backend systems with hands-on experience building scalable APIs and secure software solutions. Proficient in Python, FastAPI, React, and cloud deployment.

SKILLS

Languages	Python, JavaScript, TypeScript, C++
Backend	FastAPI, Node.js, Express.js, Hono, RESTful APIs
Frontend	React.js, Next.js, Tailwind CSS, Shadcn UI
Databases & ORMs	PostgreSQL, Prisma, Alembic, MongoDB
Tools & DevOps	Git, GitHub, AWS EC2, Cloudflare Workers, Vercel, CI/CD, Postman
Testing and Quality	Ruff, Bandit, Playwright

EXPERIENCE

Schnell Technocraft, Noida

Software Engineer Jan 2026 - Present

• Delivering full-stack features for classified government software with end-to-end ownership from APIs to UI and database design

• Designed and implemented Role-Based Access Control (RBAC) system managing multi-level user permissions and analytics dashboard with graphical data visualization

• Enhanced application security by resolving authentication vulnerabilities identified during penetration testing

• Deployed and maintained services on **AWS EC2** with continuous monitoring and optimization

• Collaborating with senior engineers in Agile environment, contributing to code reviews and architectural decisions

Graduate Engineer Trainee Oct 2025 - Dec 2025

• Architected backend with 50+ RESTful API endpoints using **Python (FastAPI)** and **PostgreSQL** for government grade application

• Designed database schemas, models, and CRUD operations supporting core application functionality

• Integrated ABBYY OCR service for document processing, managing batch uploads and structured data extraction

• Recognized as **Emerging Star** for exceptional technical ownership, problem-solving and rapid delivery

PROJECTS

Samik - API Aggregation Middleware *Demo*

• Built an API aggregation layer handling multiple external services with centralized schema normalization and error handling with Node.js, Express, Next.js for multi-source data integration with PostgreSQL and Prisma

Podium - Content Management Platform *Demo*

• Serverless publishing platform with Cloudflare Workers, Hono, and React; scaled to 6+ users with JWT auth

IDK - Deterministic Password Manager *Demo*

• Client-side password manager using PBKDF2 cryptography with zero storage, built in Next.js 15

EDUCATION

Master of Computer Application, JSS Academy of Technical Education 2023 - 2025
Bachelor of Science (Computer Science), CCS University 2019 - 2022