

HARSHIT GUPTA

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PROFESSIONAL SUMMARY

Software Development Engineer with 3+ years of experience building scalable backend systems and microservices powering real-world SaaS platforms. Delivered high-impact improvements including 60% faster processing and 35% lower latency through optimized system design and performance engineering. Specializes in Python, distributed systems, and AI/LLM integration to build secure, production-grade applications at scale.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, SQL

Backend Development: Flask, Node.js, RESTful APIs, Microservices, Distributed Systems, Celery, Redis, SQLAlchemy

Frontend Development: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Databases: MySQL, PostgreSQL, SQLite

AI/ML & LLMs: Generative AI, LLMs, Retrieval-Augmented Generation (RAG), LangChain, NLP, Computer Vision (OpenCV), PyTorch, TensorFlow, scikit-learn

Security: OAuth2, JWT Authentication, AES-256 Encryption, SHA-256

DevOps & Tools: Git, GitHub, Docker, CI/CD Pipelines, Linux, Postman, AWS

PROFESSIONAL EXPERIENCE

CertifyMe – Tech99 Innovations Pvt Ltd

Senior Product Engineer

Remote

Apr 2024 – Apr 2026

- Led development of a scalable credential platform, automating issuance and verification workflows for enterprise clients.
- Built 20+ microservices and REST APIs, reducing processing time by 60%+ and improving system throughput.
- Implemented secure authentication and encryption (OAuth2, JWT, AES-256), ensuring enterprise-grade data protection.
- Improved release stability by mentoring engineers and enforcing code quality standards, reducing production issues.

Research and Development Associate

Jul 2023 – Mar 2024

- Reduced API latency by 35% through backend and database optimizations.
- Implemented RBAC for multi-tenant systems, strengthening access control and data security.

Research and Development Intern

Feb 2023 – Jun 2023

- Improved CI/CD pipelines and testing, reducing deployment time and regression issues.

PROJECTS

LifeKit – AI Life Intelligence Tracker | [React](#), [Claude API](#), [Node.js](#), [SQLite](#), [PWA](#) | [GitHub](#)

2026

- Privacy-first PWA using Claude API to surface cross-category behavioral insights (mood, habits, focus, expenses) with zero cloud storage – full AI functionality runs offline via local-first SQLite.
- Replaced a backend server entirely with on-device LLM inference, cutting infrastructure cost to \$0 while maintaining real-time correlation analysis across 6+ life metrics.

Rechr – Self-Hosted Cold Email SaaS | [Node.js](#), [Sequelize ORM](#), [MySQL](#), [Express](#) | [GitHub](#)

2026

- Full-featured email outreach platform with multi-step sequence management, real-time inbox/link tracking, open-rate analytics, and role-based team access – self-hosted for complete data ownership.
- Designed a Sequelize-backed relational model handling concurrent campaign scheduling, contact segmentation, and delivery state across thousands of sequences.

DJoz – Emotion-Based Recommendation Engine | [Python](#), [OpenCV](#), [TensorFlow](#), [Flask](#) | [GitHub](#)

2024 – 2025

- Real-time CV pipeline classifying facial emotions from live camera input at ~85% accuracy, delivering personalized content recommendations via Flask APIs with sub-200ms end-to-end latency.

ERP System – Enterprise Resource Planning (Freelance) | [Flask](#), [MySQL](#), [Flask-Login](#), [Jinja2](#) | [GitHub](#)

2024

- Delivered end-to-end for a client – user onboarding, hierarchical RBAC across multiple roles, bulk data operations, and audit trails – sole engineer from requirements to production deployment.

EDUCATION

SRM University

B.Tech in Computer Science and Engineering – SGPA: 8.24

Delhi-NCR

2019 – 2023

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional – Oracle

LLMs, RAG, OCI GenAI

Oracle AI Vector Search Certified Professional – Oracle

Vector Embeddings, Semantic Search

Oracle Cloud Infrastructure 2025 AI Foundations Associate – Oracle

AI/ML, NLP, Cloud Deployment

SQL (Advanced) – HackerRank | Problem Solving (Basic) – HackerRank