

Ujjwal Lehri

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SUMMARY

Full-stack and backend engineer with 3+ years building production-grade distributed systems, REST APIs, and real-time platforms. Experienced in microservice architecture, async job queues, containerized deployments, and cloud infrastructure (AWS, Azure). Co-founded QSKIP, a live SaaS startup deployed across 2 university campuses. Seeking a backend, full-stack, or systems engineering role.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, C++
Frontend: React, Next.js, Tailwind CSS
Backend & APIs: Node.js, Express.js, Flask, REST APIs, WebSockets, Socket.IO, SSE, GraphQL
Databases: PostgreSQL, MySQL, MongoDB, Redis, Prisma ORM
Testing: Jest, Pytest, Unit Testing, Integration Testing
System Design: Microservices, Event-Driven Architecture, Async Job Queues (BullMQ), Horizontal Scaling, Load Balancing, RBAC
DevOps & Cloud: Docker, Nginx, GitHub Actions, CI/CD Pipelines, AWS (EC2, S3, Lightsail), Azure (VM, Blob Storage)
Auth & Security: JWT, OAuth 2.0, RBAC

EXPERIENCE

QSKIP – Co-Founder & System Architect	qskip.in
<i>Full-Stack Engineer</i>	<i>Jan 2026 – Present Delhi, India</i>
- Architected an event-driven, real-time food pre-ordering platform (Next.js, PostgreSQL, SSE) eliminating campus queue wait times; live across 2 university campuses. - Designed horizontally scalable backend with stateless services, Nginx reverse proxy, and Docker Compose; engineered PrintX as a standalone microservice with async job processing via Redis/BullMQ and Azure Blob Storage. - Recognized as Top 100 Startup at Delhi Yuva Startup Festival; secured INR 1,00,000 seed funding; stress-tested under peak concurrent load at GGSIPU’s annual fest.	
AICTE IDEA Lab (GGSIPU)	Delhi
<i>AI/ML Research Intern</i>	<i>Jun 2025 – Aug 2025</i>
Trained CNN-based deep learning models for dental radiograph analysis achieving 90% diagnostic accuracy, classifying 30+ conditions with inference latency under 30 seconds; optimized TensorFlow + OpenCV pipeline and delivered a healthcare-ready prototype with a 4-member team.	
Freelance	New Delhi
<i>Full-Stack Developer</i>	<i>2023 – Present</i>
Delivered 10+ production full-stack applications (React, Node.js, Flask, MySQL/MongoDB); containerized with Docker + Nginx; eCommerce backend sustains 1,000+ API requests/day with JWT + RBAC auth.	
Cyberange	New Delhi
<i>Software & IoT Intern</i>	<i>Dec 2023 – Feb 2024</i>
Built IoT prototypes (Arduino, Raspberry Pi, Python, Embedded C++); integrated edge devices with cloud dashboards via Node-RED and MQTT for real-time monitoring and control.	

PROJECTS

DNS Server – Custom Recursive DNS with Bloom Filter Python, Unix Sockets, Raspberry Pi	github.com/o0PHOENIX0o/DNS-Server
Raspberry Pi-compatible DNS server blocking ads and malware via a Bloom filter; dynamic host management via web UI with JSON persistence, synced to the DNS engine in real time using Unix sockets/named pipes.	
PrintX – Distributed Print Microservice Node.js, MongoDB, Redis, BullMQ, Python, Azure	printx.qskip.in
Async print-job queue (Redis/BullMQ), PDF storage (Azure Blob), RBAC admin dashboard, and Python agent for OS-level printer integration on Azure VM.	
Digi-Yatra – Smart Boarding System Python, OpenCV, Raspberry Pi	github.com/o0PHOENIX0o/DigiYatra
Automated boarding prototype using real-time facial recognition and QR scanning on Raspberry Pi to verify passengers and streamline flow without manual intervention.	
Algorithm Visualizer React, p5.js	algorithmcanvas.vercel.app
Interactive platform visualizing 15+ sorting and graph algorithms with real-time step-by-step animations.	

EDUCATION, ACHIEVEMENTS & CERTIFICATIONS

University School of Information, Communication & Technology (GGSIPU)	New Delhi
<i>B.Tech in Computer Science Engineering</i>	<i>2024 – 2027</i>
Pusa Institute of Technology	New Delhi
<i>Diploma in Electronics & Communication Engineering</i>	<i>2020 – 2023</i>

ACHIEVEMENTS & CERTIFICATIONS

- Smart India Hackathon 2025:** Cleared internal round - ML platform integrating NASA & IMD datasets for rooftop rainwater harvesting optimization.
- Delhi Yuva Startup Festival:** Top 100 Startups nationally; secured INR 1,00,000 seed grant for QSKIP.
- Certifications:** Supervised Machine Learning – DeepLearning.AI (Andrew Ng) | IoT Developer – Cyberange