

UTKARSH KISHORE

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PROFESSIONAL SUMMARY

Full-stack software engineer with hands-on experience building scalable web applications, RESTful APIs, and cloud-deployed systems. Skilled in React, NestJS, TypeScript, and AWS, with practical exposure to LLM API integration and agile team delivery. Passionate about writing clean, maintainable code and creating seamless user experiences from frontend to infrastructure.

EDUCATION

Arizona State University | Tempe, AZ Aug 2024 – May 2026

M.S. in Software Engineering | Advanced DSA, Software Verification & Testing, Cloud Computing, AI for Software Engineers

SRM Institute of Science and Technology | Chennai, India Sep 2020 – Jun 2024

B.Tech in Computer Science & Engineering | DSA, OOP, Frontend Development, Data Visualization, Machine Learning

WORK EXPERIENCE

Full-Stack Developer Intern | [Aligned Rewards](#) | Tempe, AZ Jan 2026 – Apr 2026

- Delivered features across 5 agile sprints with 100% on-time completion; integrated 10+ REST API endpoints into the React frontend, reducing manual data handling by ~60%.
- Defined shared TypeScript DTOs cutting integration turnaround by ~40%; built LLM API integration with structured prompt engineering, reducing manual goal-input effort by ~50%.
- Implemented custom React hooks, Zustand state management, Axios API client, NestJS interceptors, and global error handling.

PROJECTS

ResQChain — Food Management App — *React/Vite/TypeScript, Node.js, PostgreSQL 16, Prisma, Socket.IO, Docker*

- Built a near-expiry food-sharing platform as a 4-container Docker stack (React SPA, Node.js API, OCR service, PostgreSQL 16), spanning ~2,350 lines of TypeScript across services with repeatable local/prod builds.
- Owned the Prisma data model (7 relational models — listings, reservations, chat, ratings, push subscriptions) with indexed geo and status fields supporting map-based discovery and full listing lifecycle.
- Integrated barcode scanning (QuaggaJS), Open Food Facts enrichment, OCR expiry extraction, Socket.IO real-time chat persisted to DB, and Web Push (VAPID) notifications for out-of-session engagement.

Feature Flag Management Platform — *Next.js, NestJS, PostgreSQL, Redis, AWS ECS Fargate, Terraform, GitHub Actions*

- Deployed on AWS ECS Fargate with sub-50ms SDK response times; built secure REST API with JWT auth, RBAC, audit logging, and rate limiting across 15+ endpoints.
- Automated CI/CD via GitHub Actions and Terraform (IaC), cutting deployment time by 80%; integrated Redis caching for 60%+ DB load reduction.

BlogDaily — Blogging Platform — *React.js, Node.js, Express.js, MongoDB, Tailwind CSS*

- Built full-stack blogging platform handling 100+ concurrent sessions with 35% page load improvement and 30% faster server response times.
- Designed component-driven React/Tailwind frontend with 40% better responsiveness; added tagging, categories, and search features.

PUBLICATION

Plant Disease Detection using Deep Learning — *ICCCI Conference, April 2024*

- Developed a VGG16-based convolutional neural network with ReLU activation, achieving 98% classification accuracy across multiple plant disease categories.
- Processed and trained on a dataset of 3,000 labeled images; collaborated in a team of 3 to design the model pipeline and prepare the research paper.

TECHNICAL SKILLS & CERTIFICATIONS

Languages: JavaScript, TypeScript, Python, Java, C/C++, SQL, HTML/CSS

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, Zustand, react-hook-form

Backend: Node.js, Express.js, NestJS, REST APIs, JWT Auth, Redis

DevOps & Cloud: GitHub Actions, Docker, AWS (EC2, Lambda, ECS Fargate), Terraform

Databases: PostgreSQL, MongoDB, Redis

Certifications: Machine Learning Specialization – Stanford University | Analyzing Big Data with SQL