

Utkarsh Kumar Dubey

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Technical Skills

- **Languages:** C++, Python, JavaScript (ES6+), HTML5, CSS3
- **Web Technologies:** React.js, Node.js, Express.js, REST APIs
- **Databases:** MongoDB, MySQL, RDS
- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Linux
- **Cloud & DevOps:** AWS (EC2, S3, RDS), CI/CD, Docker (Basics)
- **Methodologies:** Agile, Scrum, Test-Driven Development (TDD)

Experience

Software Testing Intern | *Manual Testing, QA, Defect Tracking*

Oct 2024 - Dec 2024

Hyaku Innovative Technologies, Jaipur, India

- Optimized comprehensive test cases and QA protocols during a 2-month internship, enhancing software reliability and contributing to a 25% increase in test coverage.
- Detected and documented 100+ critical defects, leading to a 30% reduction in post-release issues and significantly improving product stability.

Co-Founder | *Full-Stack Development, Client Delivery, Automation*

Jan 2025 - Apr 2025

WebLab, India

- Co-founded and scaled a web development agency, delivering modern, responsive websites and onboarding 10+ clients within the first 3 months.
- Directed end-to-end development workflows, improving site performance by 40% and reducing deployment time by 30% through CI/CD and automation tools.

Projects

HealthyU | *React, Node.js, MongoDB, Python, REST APIs*

Sep 2023 - Nov 2023

- Devised and launched a full-stack e-commerce platform for fitness and supplements, driving a 30% rise in user engagement through AI-driven product recommendations and integrated BMI tools.
- Executed secure authentication using JWT and OAuth 2.0, and integrated Razorpay API for seamless transactions, reducing checkout time by 20% and enhancing login efficiency by 35%.
- Operationalized on AWS (EC2, S3, RDS) with auto-scaling, ensuring 99.99% uptime, high availability, and scalability to handle peak traffic scenarios.

ChunarPottery | *React, Node.js, MongoDB, Blockchain*

Aug 2024 - Sep 2024

- Spearheaded a scalable e-commerce platform to digitally showcase heritage pottery, driving a 40% surge in artisan sales through strategic SEO integration and regional outreach.
- Deployed blockchain-backed product verification, achieving 100% traceability and fortifying consumer confidence via decentralized authenticity protocols.
- Refined UI/UX and front-end performance, accelerating page load speed by 35% and amplifying organic discovery by 50% through SEO-optimized architecture.

IHDR | *React, Flask, Python, REST APIs*

May 2025 - Jun 2025

- Engineered a centralized health data platform enabling secure access to AI-ready datasets, resulting in a 40% increase in data availability for researchers across India.
- Architected a scalable Flask-React system, reducing API latency by 35% and accelerating dataset ingestion workflows by 50%, while maintaining 99.9% uptime and full data security compliance.
- Orchestrated AI-powered analytics and intuitive visual dashboards, improving interpretation speed by 60% and reducing user navigation time by 45%, significantly enhancing UX.

Achievements & Leadership

- Top 2% Nationwide – Cleared Coding Round, Accelerate Her in Tech Hackathon (NOKIA, 2025).
- Finalist – HealthTech AI Hackathon (IIT BHU) & Bosch Hackathon (IIT Hyderabad), top 1% nationwide (2025).
- Top 1% Nationwide – Shortlisted in the Viksit Bharat Challenge 2025, shortlisted from 1.2L+ entries.
- Campus Leadership – Co-founded multiple tech & cultural clubs for flagship campus events with 3,000+ participants.
- Operations Lead - Designed and managed the end-to-end onboarding and accommodation strategy for 6,000+ students during hostel and campus intake cycles.

Education

Vellore Institute of Technology - Bhopal

Aug 2022 - Aug 2026

B.Tech in Computer Science and Engineering, CGPA: 8.02