

# 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)
- **Additional Skills:** DSA, System Design, GenAI, Data Viz (Python)

## Education

### Vellore Institute of Technology - Bhopal

Aug 2022 - Aug 2026

B.Tech in Computer Science and Engineering, CGPA: 8

## 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

- Qualified – Coding Round, Accelerate Her in Tech Hackathon, top 2% (NOKIA, 2025)
- Finalist – HealthTech AI Hackathon (IIT BHU) & Bosch Hackathon (IIT Hyderabad), top 1% nationwide (2025).
- Research Finalist – Viksit Bharat Challenge (Bhartiya Shikshan Mandal, 2025), shortlisted from 1.2L+ entries.
- Led campus events for 3,000+ attendees and co-founded multiple technical and cultural clubs to drive student engagement and innovation.