

# Utkarsh Dixit

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## Education

**Dr. APJ Abdul Kalam Technical University, Lucknow**

B.Tech in Computer Science |

August. 2020 - July. 2024

**CGPA: 7.52/10**

## Experience

**Full Stack Developer Intern**

March. 2025 - Present

**Frautect**

*NextJs, MongoDB, ExpressJs, API development, Software Testing*

- Developed a dynamic client dashboard using Next.js and MongoDB, including a multi-step company profile form, a real-time threat monitoring page, and a data-rich overview dashboard with interactive charts and insights.
- Built robust REST APIs with advanced error handling and concurrency control to prevent data collisions during simultaneous updates by multiple users of the same company.

**Full Stack Developer Intern**

Sept. 2024 - Jan. 2025

**Madrocket Technologies**

*ReactJS, Firebase, Product development, Software Testing*

- Engineered a role-based school ERP system using Node.js, Firebase, and Firestore, enhancing security and user access for 1,000+ students and staff. Optimized database queries, reducing API response times by 40%.
- Conducted comprehensive testing with diverse datasets, achieving 99% system reliability and resolving 100+ critical issues, ensuring a robust application launch.
- Enhanced backend infrastructure by designing advanced Firebase schema modifications and optimizing database operations, ensuring seamless integration and robust data management across projects.

## Projects

**Kaarigar-Sathi | (Where skills meet needs)**

Feb. 2024 - May. 2024

**Effortless Connections for Local Services.** *NodeJS, ExpressJS, MongoDB, ReactJS, JavaScript, HTML/CSS, Bootstrap*

- Implemented a real-time tracking feature that enabled users to monitor service progress, enhancing transparency and fostering a more reliable service experience; this feature is now used by 1,200 active users monthly.
- Revamped the user experience by implementing a location-based algorithm, resulting in a 40% increase in successful connections between users and local tradespeople.
- Architected an efficient API framework with Node.js and Express.js that supported high traffic volumes, enabling real-time data retrieval from a MongoDB database, thereby improving system response times by 40

**PriceWise**

Oct. 2023

**Automated Price Tracker**

*NextJs, MongoDB, Tailwind CSS*

- Designed a full-stack app enabling 500+ users to track product prices in real-time, with URL-based monitoring.
- Integrated Nodemailer for email notifications, sending welcome emails and real-time alerts .
- Leveraged MongoDB for efficient data storage and price tracking, supporting seamless management of 10,000+ product records and ensuring high performance and scalability.

## Skills

**Languages:**

Java, Javascript, TypeScript

**Technologies & Tools:**

Backend: Node.js, Express.js, MongoDB, Firebase, RESTful APIs, SQL

Frontend: React.js, Next.js, Tailwind CSS

Tools: Git, Postman, Github, Firestore

Other: System Design, Performance Optimization, Role-Based Access Control

**Achievements**

Solved 800+ problems and earned 20+ badges on **Leetcode**.(Leetcode Profile)

Secured a Top 20 rank among 150+ teams at the HACK THIS FALL 2024 Hackathon held at Karnavati University.

Achieved a Top 10 rank among 100+ teams at the Code for Good Hackathon at Delhi Technical University.

**Certifications:**

Earned Java Certification from HACKERRANK.