

# KUMAR ADITYA

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[github.com/KumarAditya](https://github.com/KumarAditya)

**Software Development Engineer | Full-Stack Developer**

## Professional Summary

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Results-oriented and motivated Software Development Engineer with hands-on experience in building and deploying scalable web applications using Java, Python, JavaScript, React.js, Express.js and Node.js. Skilled in full-stack development, RESTful APIs, database design (MongoDB, MySQL), and Agile methodologies. Understanding of SDLC, CI/CD pipelines, version control systems (Git/GitHub), and cross-functional team collaboration. Adept at debugging, performance optimization, and writing clean, maintainable code. Passionate about delivering high-impact, user-centric solutions and continuously exploring emerging technologies.

## Education

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**Jain University**, B.Tech in Computer Science and Engineering August 2026

- GPA: 8.0

**Indian Public School**, High School April 2022

- Percentage: 82

## Experience

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**Research Project – Disaster Response Through Object Detection and Recognition** Jan 2023 – Apr 2025

- Conducted applied research in computer vision for disaster zone identification using YOLO-based object detection.
- Developed a prototype for emergency recognition using real-time image data.
- Published findings in the International Journal of Scientific Research & Engineering Trends (IJSRET), 2025.

**Hackathon Experience – Participant at Kavach Hackathon** April 2023

- Collaborated with a team of five to design and present a tech-driven solution in a government-hosted security-themed hackathon.
- Contributed to ideation, UI development, and feature planning under time constraints.
- Gained experience in rapid prototyping and teamwork in a competitive software development environment.

## Projects

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**URL-Shortener Dashboard – Full-Stack** [github.com/Kaditya03](https://github.com/Kaditya03)

- Built REST API and dashboard for creating, tracking, and analyzing shortened URLs.
- Performed API validation, unit testing, and error handling with Postman and JavaScript.
- Tools: React.js, Node.js, Express.js, MongoDB, Postman, Git, GitHub

**DriveEase – Full-Stack Car Rental Platform** [vercel.com/Kaditya03](https://vercel.com/Kaditya03)

- Built full-stack application with JWT-based authentication, user and owner dashboards, and real-time availability tracking.
- Designed booking flows, dashboards, and data interaction logic in React.js with Context API and Axios.
- Tools: React.js, Node.js, Express.js, MongoDB, JWT, Axios, Git, GitHub, VS Code

**Travel Diaries – Frontend Blogging Platform (HTML, CSS, JavaScript)** [github.com/Kaditya03](https://github.com/Kaditya03)

- Developed static blog site with DOM manipulation for interactive content.
- Features included post creation, like/comments, and CSS grid layout.
- Tools: HTML, CSS, JavaScript, Git, GitHub

## Skills

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**Languages:** Java, Python, HTML, CSS, JavaScript

**Frameworks & Libraries:** React.js, Node.js, Express.js, Tailwind CSS, Mongoose, Axios

**Databases:** MongoDB, MySQL

**Tools & Platforms:** Git, GitHub, Postman, VS Code, Linux

**Concepts:** RESTful APIs, Agile (Scrum), SDLC, CI/CD (Basics), Distributed Systems

**Cloud Platforms:** Basic familiarity with AWS and Vercel

**Currently Exploring:** Next.js, Socket.io

**Soft Skills:** Problem Solving, Time Management, Team Collaboration, Continuous Learning

## Certifications

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| • <b>Python Basics</b> , Coursera – University of Michigan   | Jan 2025 |
| • <b>Cybersecurity for Everyone</b> , Coursera – University of Maryland                              | Feb 2025 |
| • <b>Effective Problem-Solving and Decision-Making</b> , Coursera – University of California, Irvine | Dec 2022 |