

# KARTIKEY VAGHASIYA

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[Github](#) ✦ [Linkedin](#)

## EDUCATION

**B.Tech CSE**, Pandit Deendayal Energy University  
Raisan, Gandhinagar

2021 - 2025

**CGPA: 8.8**

**Class 12**, The Imperial Science School  
Dhoraji, Gujarat

2019 - 2021

**Percentage: 90.5**

## SKILLS

<b>Programming Languages</b>	Java, Javascript, Golang, Python
<b>Frontend</b>	React
<b>Backend</b>	Express.js, Vert.x ( Java )
<b>Databases/Cloud/Devops</b>	MongoDB, PostgreSQL, Docker

## EXPERIENCE

**DLTitanns, Bengaluru (Remote)** | Backend Intern

May – July 2024 (8 Weeks)

- Built a credit-based API service using the MERN stack that integrates Apache cTakes for converting clinical text into FHIR-compliant structured data.
- Utilized cTakes (Java-based NLP library) to process unstructured clinical text and extract standardized health-care information.
- Optimized HTML content fetching and parsing using parallel processing in Python, reducing execution time by approximately **30%** and exporting the data in JSON format.
- **Techstack** : cTakes, Java, Python, MERN

**Motadata, Ahmedabad (On-site)** | Software Engineering Trainee

Jan - June 2025 ( 20 Weeks )

- Developed a Network Monitoring System using an event-driven Vert.x (Java) backend and Go plugins to track CPU, memory, process, and network metrics.
- Containerized the application with Docker to ensure smooth and consistent deployment across environments.
- Implemented **asynchronous** and secure communication between the backend and endpoint plugins using **ZMQ**.
- Improved system performance through **batch processing**, a centralized polling mechanism, and **caching** to reduce unnecessary database calls.
- Used concurrent Go routines for parallel data collection, achieving a **80–90%** performance boost over sequential methods.
- **Techstack** : Vert.x, Golang, ZMQ

## PROJECTS

**Cl1p.in** | Express.js, Next.js, Amazon S3 | [Project Link](#) | [Github Link](#)

- Developed a file-sharing application using the MERN stack with secure password-protected links, customizable link paths, and expiration time settings, ensuring controlled access to shared files and text.
- Integrated core features such as AWS S3 for file storage, link generation with copy-to-clipboard functionality, and file upload support up to 1GB for reliable and scalable file management.

**StayinIt - An easy accomodation** | MERN, JWT, Google Maps API | [Github Link](#)

- Added key features including property search, filtering, wishlists, detailed property views, and listings to enhance the user experience.
- Implemented secure user authentication using JWT, OTP and email-based password recovery mechanism.
- Integrated Google Maps for seamless and interactive property location visualization.