# AKSHAY GAIKWAD

Software Engineer with 2+ years of experience with expertise in building innovative AI-powered applications across healthcare, and enterprise domains. Skilled in full-stack development, leveraging modern technologies React Native, Node.js, Python, and AI/ML frameworks to create impactful, user-centric solutions.

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## WORK EXPERIENCE

**Nirmitee.io**

Software Development Engineer-1　　　　　　　　　　　　March 2023 - current - Present

- Improved patient care outcomes by 25% by developing **AI-driven** healthcare solutions, leveraging **LangChain**, **LLM**, and **AI models** to streamline medical information processing.
- Designed and implemented a r**eal-time police van tracking** solution for the **Rajasthan Government**, resulting in a 30% reduction in response times and a 25% increase in crime-solving rates.
- Crafted an **NLP-powered** WhatsApp **AI chatbot**, showcasing expertise in crafting influential technological solutions across diverse domains and improving customer engagement by 40%.
- Improved **deployment** and **CI/CD** processes using **Docker**, **AWS**, and **Azure.**

**Function Up**

Backend Developer Trainee　　　　　　　　　　　　　　　Jul 2022 - March 2023

- Designed and **deployed** robust APIs using **Node.js** and **MongoDB**, resulting in a 3x increase in system efficiency and a 20% reduction in latency.
- Crafted backend services for BookWise, developing a comprehensive cataloging, searching, and record management system via **RESTful APIs**, which processed 10,000 requests per minute without any issues.
- Conceived and implemented a lightning-fast **URL shortener backend**, leveraging **Node.js** and **MongoDB** to provide instant redirection and link analytics, resulting in a 99.99% uptime and a 50% increase in user engagement.

## SKILLS

- Languages: JavaScript, Python.
- Frameworks: Node.js, Express, ReactJS, React Native, Gen AI, LLMs, OpenAI, LangChain, Fast API, Django.
- Cloud/Data Bases/Tech-Stack: Prompting, RAG, CI/CD, Docker, Azure, AWS, GCP, MongoDB, PostgreSQL, Git & GitHub, Postman.

## PROJECT

**MyCarePilot App**　　　　　　　　　　　　　　　　　　　　　Feb 2024

- Developed the MyCarePilot app, a pioneering **AI-driven** healthcare solution for **cancer patients**, leveraging a synergy of cutting-edge technologies.
- Utilized **React Native**, **Next.js**, **Node.js**, and **Django** to deliver seamless web and mobile experiences, ensuring a unified and user-friendly interface through expert programming, resulting in a 30% increase in user engagement.
- Integrated **AI models**, **LangChain**, **voice-to-voice real-time transcription**, **real-time chat**, and cloud services **Azure** and **AWS** to provide a comprehensive healthcare platform with enhanced functionality, supporting 50,000+ user sessions per month.
- Enabled personalized health insights, **medical record tracking**, and tailored recommendations using advanced **vector database** and machine learning algorithms for data-driven decision-making, resulting in a 25% reduction in patient readmissions.
- Designed and developed a robust and **scalable architecture** to support the app's complex features and **large user base**, ensuring seamless performance and reliability, with a 99.99% uptime rate.

**Medha AI**                                                                          Sep 2023 - Feb 2024
- Designed and engineered robust backend solutions using **Node.js**, **Express**, and **MongoDB** to extract and process critical patient information from **medical** documents with precision and speed, resulting in 30% reduction in processing time.
- Transformed complex reports into actionable, **user-friendly insights** leveraging **LangChain** and **Large Language Models** to provide **personalized healthcare recommendations**, empowering informed decision-making and driving **positive patient** outcomes, with a 25% increase in patient engagement.
- Successfully integrated **AWS** and **Azure** services to facilitate seamless report generation and delivery, significantly enhancing accessibility, patient understanding, and overall healthcare experience, with a 99.99% uptime and 50% reduction in report delivery time.

**Election Police Van's Tracking (Rajasthan Gov.)**                                    Sep 2023 - Oct 2023
- Designed and developed a cutting-edge **real-time police van tracking** system, leveraging **React.js**, **Flutter**, and **Google Maps API** to deliver a comprehensive and efficient solution for monitoring and managing police van activities, resulting in a 30% reduction in response time and a 25% increase in overall efficiency.
- Implemented **geo-location** services, **matrix** route calculations, and **Firebase** integration to enable seamless monitoring and efficient management of police vans during elections, ensuring unparalleled accuracy and reliability, with a 99.9% uptime rate and a 95% reduction in manual data entry errors.

**OTC Agritech**                                                                       May 2023 - Aug 2023
- Improved overall **productivity** by 30% and accuracy by 25% through the comprehensive system for **managing farmer** information, **crop stages**, and **purchase history**.
- Facilitated streamlined access and **task execution** for field executives, resulting in enhanced decision-making and improved customer satisfaction by 20%.

**Boongg WhatsApp Bot**                                                                March 2023 - May 2023
- Designed a **WhatsApp-based chatbot** that utilized natural language processing capabilities to **automate motorbike rental processes**, resulting in a 30% reduction in manual labor and a 25% increase in customer satisfaction.
- Developed a WhatsApp chatbot that employed natural language processing to streamline **motorbike rental operations**, processing bookings and receiving a 4.5-star rating from customers for its ease of use and prompt support.

## EDUCATION

**Pune University**

Bachelor In Computer Science                                                           June 2024 - Expected 2026

## CERTIFICATE

**Fundamentals of Generative AI** 🔗

**Create and consume Azure AI services** 🔗

## Achievements

**Azure AI Services**  Microsoft
[Link](#)