# NIKUNJ KHITHA

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## Technical Skills

**Full Stack Development**: MERN Stack, Tailwind CSS, Next.js, Next-Auth, FastAPI, Spring Boot, PHP, Flutter
**AI/ML**: Azure OpenAI API, Vercel AI SDK, Azure Speech SDK, LLaMa AI, Prompt Engineering, LangChain, Microsoft AI Search
**DevOps**: Azure DevOps, CI/CD, Docker, GitHub Actions, API Gateway, Kubernetes, Jenkins
**Tools & Cloud Platforms**: Git, GitHub, Swagger, Auth0, Figma, Postman, Microsoft Azure, Vercel
**Robotics/IoT:** Raspberry PI, IoT frameworks, Sensor integration, Automation, Arduino
**Languages & DataBases**: TypeScript, Python, Java, PHP, JavaScript, Dart, MongoDB, CosmosDB, MySql, PostgreSQL, Firebase

## Work Experience

**Xansr Software Private Ltd.**                                                                                    **1st June, 2024 - Present**
*Full Stack/A.I. Developer*                                                                                              *Gurugram, Haryana*
- **Collaborated in agile environments**, participating in **1- to 3-week sprints**, consistently meeting deadlines while enhancing code quality.
- **Developed efficient microservice APIs** using **Node.js (TypeScript)** and **FastAPI**, employing **Test-Driven Development (TDD)** principles to ensure **100% test coverage** and enhance performance by **36%**.
- **Implemented CI/CD pipelines** with **Docker**, **Azure Web App**, and **GitHub Actions**, streamlining deployment processes and improving efficiency by **42%**.
- **Led the development** of **Fantasy GPT**, a proof-of-concept application that **increased user engagement by 35%** using **Next.js**, **FastAPI**, **Node.js**, and **Azure OpenAI SDK**. Achieved **97.2% accuracy** in trivia generation and **94.3%** in chatbot interactions.
- **Engineered AIKO**, a sports-centric media assistant delivering real-time voice/text interaction for live matches and personalized match highlights to **97% of users** with **95.67% accuracy**, utilizing **Azure AI services**, **Next.js**, and **video stitching** technology.

**Central Electricity Authority, Government of India**                                          **29th May, 2023 - 10th July, 2023**
*Software Developer*                                                                                                          *New Delhi, India*
- **Enhanced data accuracy** by **34%** on a **Renewable Dashboard** monitoring **150+** power stations, integrating with the **National Power Portal** using **Spring Boot (Java)**.
- **Developed** a **server file management system** using **PHP** and **SQL** with **Role-Based Access Control (RBAC)**, optimizing storage for **5,000+ files** and reducing retrieval time by **25%**.
- **Built a MERN-based Conference Room Booking System**, cutting booking time by **60%** and reducing errors by **40%** across **10+** rooms, significantly improving employee efficiency.

## Personal Projects

**AI Course Generator SaaS** | Next.js, Auth0, Vercel AI SDK, YouTube API, Unsplash API, OpenAI API, CI/CD, VPS
- **Engineered** an AI-driven platform that **reduced course production time by 60%**, improving user engagement with automated chapter generation and quizzes.

**Football Score IOS/Android App** | Flutter, Firebase, Football API, Sports News API, WebSockets
- **Created** a cross-platform app serving **50+ leagues**, providing **real-time scores**, **match history**, and **community chats**.

**Real-Time Video Conference Web App** | React.js, Redux, Node.js, Express, MongoDB, Peer.js, Socket.io
- **Crafted** a video conferencing solution **accommodating 10+ concurrent users** per room. **Implemented** features such as room **management (join/leave)**, **group video meetings**, and real-time chat with **unique username verification**

**Saloon Booking/Management Web App** | HTML, CSS, JavaScript, PHP, MySQL, Azure Web App, GitHub Actions
- **Built** a salon booking and management platform serving **50+ clients** monthly, achieving **99.8% uptime** and seamless **CI/CD** through **Azure Web App** and **GitHub Actions**.

## Hackathons & Achievement

**IBC2024 | IBC Convention Amsterdam**                                          **12th September, 2024 - 15th September, 2024**
- Showcased **AIKO** to 500+ attendees, collaborating with **Verizon**, **AMD**, **HP**, and **Al Jazeera** at a leading media tech event.

**Youth Conclave Hackathon 2023 | IIT Jodhpur**                          **15th September, 2023 - 18th September, 2023**
- Secured **4th place** in the highly competitive hackathon at **Youth Conclave 2023, IIT Jodhpur**.

## Education

**The NorthCap University**                                                                       **1st August, 2021- 30th June, 2025**
B.Tech CSE in Full Stack Development | CGPA: **8.07**                                                          *Gurugram, Haryana*