

Nikunj Khitha

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TECHNICAL SKILLS

Languages & Databases: TypeScript, Python, Java, PHP, JavaScript, Dart, PostgreSQL, MongoDB, Firebase, Elasticsearch.

AI/ML: Bedrock AI, Azure AI, Gemini AI, Prompt Engineering, Unslloth, Agentic AI, LangChain, MCP, Nvidia NIM, Crew AI.

Full Stack Development: ReactJS, NodeJS, NextJS, FastAPI, Spring Boot, Flutter, Apache Kafka, Express, Prisma, RabbitMQ.

DevOps: Azure, AWS, CI/CD, Docker, GitHub Actions, Nginx, Traefik, Kubernetes, Jenkins, Grafana.

Testing Automation: Selenium, Rest Assured, Jest, PyTest, Deepeval, Junit, Test NG, PlayWright, Cucumber, .

Tools: Git, GitHub, Hugging Face, OpenWeb UI, Vercel, Swagger, Autho, Postman, Allure, Report Portal.

PROFESSIONAL EXPERIENCE

Armorcode Inc. 🌐

Jan 2025 – present | Gurugram, India

Automation Intern

- Spearheaded **Proof of Concept (PoC)** for Report Portal, an **AI-powered test reporting tool**, resulting in a **1.5-hour daily time saving** for the automation team.
- Discovered, setup, and deployed Report Portal on **AWS EC2** using **Docker Compose**, and developed custom plugins using **Java Spring Boot** and **ReactJS**.
- Contributed to the development of a **Spring Boot testing framework** with **Playwright**, **TestNG**, and **OkHttp** for end-to-end application automation, integrating **dashboard visual testing** using **computer vision**.
- Implemented **AI Prompt based locator auto-heal**, reducing UI test case flakiness by **99%** and decreasing false alarms in automation reports.
- Participated in the development of **AI-based test discovery** and **test case remediation AI** features.

Xansr Software Private Ltd. 🌐

Jun 2024 – Jan 2025 | Remote

Full Stack & A.I. Developer

- Developed **microservices** using **Node.js (TypeScript)** and **FastAPI**, achieving **100% test coverage** via **TDD** and improving **API performance by 40%**.
- Designed **CI/CD pipelines** with **Docker** and **GitHub Actions**, reducing **deployment time by 42%** and streamlining workflows.
- Built **Fantasy GPT**, an **SQL RAG-based chatbot** leveraging **LangGraph**, **model fine-tuning**, and a **multi-step reasoning agent**, to achieve **98% accuracy** in answering Fantasy sports-related questions.
- Engineered **AIKO**, a **personalized sports media assistant**, delivering **96.67%** accurate, **AI-generated highlights** with **real-time commentary** and user interactions, built on a comprehensive **microservices architecture**.
- Designed and developed scalable **ETL pipeline APIs** using **MSSQL Database** and **SQLAlchemy**, leveraging **Azure Logic Apps** to automate data ingestion, resulting in enhanced scalability and **100%** data accuracy.

Central Electricity Authority, Government of India 🌐

May 2023 – Jul 2023 | New Delhi, India

Software Development Intern

- Enhanced data accuracy by **30%** on a **Renewable Dashboard** monitoring **150+** power stations, integrating with the **National Power Portal** using Java.
- Spearheaded the development of a **File Management System** using **PHP** and **MySQL**, implementing **Role-Based Access Control (RBAC)** to secure access. Optimized storage for over **5,000** files, 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.

PROJECTS

AI Course Generator SaaS | NextJS, React, TailwindCss, Gemini Api, Drizzle, Vercel

Engineered an **AI-driven** platform that reduced course production time by **60%**, improving user engagement with automated **chapter generation** and **quizzes**.

MCP-AI Bridge | Python, MCP, LLaMa, Streamlit, Nvidia NIM, Ollama, Azure Open AI, Open AI 🌐

Built interactive AI assistant integrating **4 LLM APIs + Model Control Protocol**, enabling real-time execution of **10+ external tools**, enhancing conversational AI with seamless data retrieval and action capabilities across multiple backend configurations.

AI-Driven Jira Reporter (ADJR) | Node JS, Fast API, Nvidia NIM, Ollama, Azure Open AI, Open AI, Jira API 🌐

Developed & integrated **2 APIs** in a **Microservice** for automating **daily scrum report generation** from **Jira**, enhancing team efficiency by **30%** through **AI-driven insights** & **automated scheduling** with **Dockerized deployment**.

HACKATHONS & ACHIEVEMENT

IBC2024 | IBC Convention Amsterdam 🌐

Sep 2024 | Amsterdam, Netherlands

Showcased **AIKO** to **500+** attendees, collaborating with **Verizon**, **AMD**, **HP**, and **Al Jazeera** at a leading media tech event.

EDUCATION

The NorthCap University 🌐

Aug 2021 – Jun 2025 | Gurugram, India

B.Tech CSE in Full Stack Development | CGPA: 8.07