

Nirwani Adhau

Software Engineer

github.com/nirwaniadhau | candidates.intervues.club/u/nirwani-adhau

SUMMARY

Targeting Software Engineer roles with experience building AI-driven software systems in regulated financial environments. Demonstrated background in developing multi-agent AI tools, automating root-cause analysis, and engineering secure production software during software engineering internships.

EXPERIENCE

Summer Analyst Intern, Regulatory Engineering (GBM)

Goldman Sachs

Jun 2026 – Aug 2026

- Co-built a 4-agent AI system using Google ADK in an Agile workflow to auto-detect and explain reconciliation breaks, reducing regression-testing time by 92% per release cycle.
- Automated root-cause explanations for 70% of breaks with 90% reviewer-verified accuracy by integrating LLM reasoning with Devin for retrieval-based code search across regulatory report pipelines.
- Designed production LLM guardrails including scope enforcement, PII redaction, and prompt-injection detection to ensure secure deployment in a regulated financial environment.

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Student

Katalyst India

Aug 2023 – Present

- Participated in professional development programs and technical initiatives as a Katalyst Scholar.

Content Volunteer

Diva Club VIT, Pune

Aug 2023 – May 2024

- Created content and supported community initiatives for student organization events.

EDUCATION

Vishwakarma Institute Of Technology · Bachelor of Technology - BTech · 2023 – 2027

R.K Junior College Pulgaon · HSC · 2021 – 2023

SKILLS

Languages and Frameworks: C, HTML/CSS, Java, JavaScript, Python, SQL, TypeScript, ExpressJS, Flask, NodeJS, ReactJS

Databases: MongoDB, NoSQL

Tools: AES, APIs, AWS, Backend Systems, Docker, Git, GitHub, Google ADK, GPS Hashing, Multi-Agent Systems, Postman, RAG, REST APIs

PROJECTS

GeoSense – Traffic & Environmental Impact Geo-Intelligence Dashboard

Full-stack geo-intelligence dashboard tracking traffic patterns and local air quality. Built a full-stack geo-intelligence dashboard using live mobility and air-quality data to deliver real-time environmental visibility. Integrated REST APIs with a Flask backend and React/TypeScript frontend for real-time visualization.

Python, Flask, React, TypeScript, REST APIs, Backend Integrations

Robust Multi-Phase Key Management using Advanced Cryptographic Methods and Steganography

Location-bound encryption system utilizing key fragmentation and steganography. Designed a location-bound encryption system to prevent unauthorized data access outside defined boundaries. Implemented key fragmentation, AES encryption, GPS hashing, and multi-format steganography using Python, Flask, and ReactJS.

Python, Flask, ReactJS, AES, GPS Hashing

Operating System Simulation

Two-phase OS simulator supporting instruction execution and memory management. Developed a two-phase OS simulator executing instruction sets, paging, mode switching, and basic interrupt handling in Java. Simulated job processing routines utilizing control cards and file-based input/output structures.

Java, File I/O

AWARDS

Katalyst Scholar, Amazon Future Engineer Scholar, Third Place, Katalyst India Tech Talk, Finalist, Katalyst Katathon (TomTom Sponsored), Finalist, Odoo Hackathon, IIIT Gandhinagar, IBM Full Stack Software Developer Certification, The Complete SQL Bootcamp – Udemy, by Jose Portilla, Mastering Data Structures & Algorithms using C and C++ – Udemy, by Abdul Bari, Amazon Future Engineer Bootcamp, TechFest - Katalyst India, Git and Github Essentials, IBM Full Stack Software Developer, AFE Bootcamp - Basics of java and DSA