Nithin

+91 9591976474 | nithinganiga959@gmail.com | LinkedIn | GitHub | Leetcode | Portfolio

Professional Summary

Enthusiastic Computer Science and Engineering student with strong problem-solving skills in Data Structures and Algorithms using Java and Python. Experienced in building responsive frontend applications with HTML, CSS, JavaScript, and Tailwind CSS, and developing backend services using Node.js and SQL. Familiar with system design principles and cloud-native monitoring tools like Prometheus, Grafana, and Loki. Passionate about clean UI, efficient code, and contributing effectively to both individual and collaborative projects.

Education

PES University (Ring Road Campus) — Bengaluru 2022 -2026
B.Tech in Computer Science Engineering

Government Pre-University College — Udupi 2020 – 2022
Pre University

Experience

Center for Information Security, Forensics, and Cyber Resilience (C-ISFCR), PES University
Summer Intern | Duration: june 2025 – july 2025

- Researched dynamic graph neural networks for anti-money laundering detection.
- Developed and evaluated GCN-GRU and GCN-LSTM models with adaptive class weighting and incremental learning.
- Improved classification of illicit transactions using the Elliptic blockchain dataset.

Projects

AP-Monitor - Log Analytics & Monitoring Platform-Github Tech Stack: Kafka, Node.js, Prometheus, Grafana, Loki, Docker, SQL

- Built a real-time log analytics platform using Apache Kafka for log ingestion, Node.js for backend APIs, and integrated Grafana dashboards powered by Prometheus and Loki for observability. Designed Kafka consumers to process and store logs, enabling insights into key metrics like request rates, response times, and frequent errors. Enhanced monitoring and diagnostics for microservices in a production-like environment, improving system reliability and performance analysis.

NFT Marketplace - Decentralized Digital Asset Platform - Github Tech Stack :Solidity, Ethereum, IPFS (Pinata), JavaScript, MetaMask

- Designed a decentralized NFT marketplace on Ethereum that allows users to mint, list, buy, sell, and transfer NFTs with automated royalty handling via Solidity smart contracts. Integrated IPFS through Pinata for secure, tamper-proof asset storage, and implemented a responsive frontend with MetaMask integration to enable seamless blockchain interactions. Improved transparency in digital ownership while removing intermediaries from NFT transactions.

Retrieval-Augmented Generation (RAG) Chatbot-Github Tech Stack :Python, ChromaDB, Streamlit

- Created an intelligent document-based chatbot using Python that provides accurate answers by leveraging vector similarity search and retrieval-augmented generation (RAG) techniques. Implemented document ingestion, semantic search, and context-aware response generation using vector databases. Built an interactive Q&A interface with Streamlit, showcasing skills in natural language processing (NLP), information retrieval, and applied machine learning.

NiCoin – Educational Blockchain Cryptocurrency Prototype (Java)-Github Tech Stack Java, BouncyCastle

- Simulated a conceptual cryptocurrency in Java to demonstrate core blockchain principles such as proof-of-work mining, transaction validation, and ECDSA-based wallet signatures. Structured a UTXO-based ledger model with built-in chain validation to maintain consistency and prevent tampering. Developed an interactive CLI to facilitate mock transactions and explore blockchain behavior. Gained hands-on experience in cryptography, Java programming, and blockchain data structures.

Skills

Programming Languages: Java ,Python ,C
Frontend: HTML , CSS ,JavaScript, Tailwind CSS
Backend: NodeJS
Database: Sql, MongoDB
Tools : Git,GitHub
Concepts: Object-Oriented Programming (OOP), Problem Solving, Operating Systems (OS), CN, Database Management Systems (DBMS)

Certifications

Problem Solving (Intermediate) – HackerRank
GenAI for Front-End Developers – Coursera