

# Aditya Narayan Jha

+91 9153831641 | [adityajha8906@gmail.com](mailto:adityajha8906@gmail.com) | [LinkedIn](#) | [GitHub](#)

## TECHNICAL SKILLS

Languages: Java, Python, SQL

Databases: SQL, MySQL, SQLite, MongoDB

Frameworks: Scikit Learn, TensorFlow, Keras, PyTorch, Power BI, Tableau, Excel, Neo4J, Streamlit, OpenCV

## EDUCATION

Vellore Institute of Technology, Bhopal, India

B.Tech in Computer Science and Engineering (specialization in Health Informatics)

Sept 2022 - May 2026

CGPA - 9.05/10

## EXPERIENCE

### Data Analyst Intern

Apr 2024 - Jun 2024

Abhyaz, Remote

- Collected and preprocessed data for potential marketing leads, gaining hands-on experience across the entire data analytics pipeline. Worked extensively with the **Zoho Suite** to streamline processes. Developed **asset and data dashboards**, improving **recruitment tracking efficiency by 10%**
- Optimized performance of the dashboard by 10%** by implementing interactive design elements. These dashboards combined data from multiple sources using query tables, resulting in a **25% reduction in delay times** and improved workflow accuracy

### Technical Content Writer

Jun 2023 - Aug 2023

Quiz Granny, Remote

- Authored **15 SEO-optimized technical** articles that simplified complex topics, leading to a robust 20% increase in organic traffic and attracting **1,000+ new unique visitors** to the company's website each month.
- Conducted thorough keyword research to identify high-traffic keywords, resulting in a **15% increase in search engine visibility** and utilized effective on-page SEO techniques, including meta tags, headers, and internal linking, which led to an improvement in page rankings.

## PROJECTS

### BANKING FINANCIAL FRAUD ANALYSIS SOFTWARE

- Created multiple dashboards to predict and analyze **fraudulent activity** from **pdf statements** using **Streamlit** and **Pypdf**. Used **random forest with 91%** accuracy to predict based on **31 features** from the synthetically created dataset having **40,000 field values**.
- Leveraged **Neo4J**, **OSM** to visualize the money flow between different bank accounts, implemented **EDA** to visualize predictions and user information and **SQLite** for storage. [GitHub Demo](#)

### CUSTOMER CHURN ANALYSIS

- Implemented an end-to-end churn analysis project featuring an **ETL process in SQL Server** and data transformation in **Power BI** to create insightful visualizations. Applied a **random forest model with 94% accuracy** for churn prediction, identifying at-risk customers and enhancing retention strategies. [GitHub](#)

## ACHIEVEMENTS

- TechGig Prompt Engineering (LLM) Hackathon** Jan 2025  
**Winner:** Successfully reviewed and optimized prompt-output pairs, ensuring accuracy and efficiency in LLM-generated responses
- Karnataka State Police Datathon** May 2024  
**Semi-Finalist:** Led a team to the **top 12 out of 200** for the problem of **Traffic Congestion and Encroachment Analysis**. Mastered **YOLO**, **OpenCV**, **Streamlit**, and **OpenStreetMap** for generating geographic insights; conducted exploratory data analysis, leading to the formulation of actionable strategies that improved decision-making.
- Rajasthan Police Hackathon 1.0** Jan 2024  
**2nd Runner-Up** in Problem Statement Category led a team to **top 300 out of 1600 teams** by developing data analysis software for **financial fraud detection** in a 36-hour final, earning a cash prize of **INR 25,000**.
- Drug Hackathon, IIT Madras** Jan 2024  
**1st Runner Up:** Competed against **2400** participants presented a well-documented article on lung cancer for the first round. Achieved **97% accuracy** in advancing lung cancer diagnosis using transfer learning with **EfficientNet B3** for multi-instance classification, all within a **24-hour challenge**.
- Social Summer of Code** Jul 2023  
**2nd highest contributor:** Achieved recognition as among **8,000 peers by merging 8 pull requests** within the DL Simplified repository over a 2-month period, significantly enhancing code functionality and project efficiency.