

Aditya Narayan Jha

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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 - 9/10

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%**
- Enhanced 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 maximized 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

Dec 2023 - Feb 2024

- 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

Jul 2024 - Aug 2024

- 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) Reviewers Hackathon** Jan 2025
Winner: Successfully reviewed and improved **prompt-output pairs**, ensuring accuracy and efficiency in LLM-generated responses over a period of 24 hours amongst **200** teams.
- Karnataka State Police Datathon** May 2024
Semi-Finalist: Guided 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 directed 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-researched 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.