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   *Sept 2022 - May 2026*
B.Tech in Computer Science and Engineering (specialization in Health Informatics)   *CGPA – 9.01/10*

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 upgraded 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

FAST EDA
- Engineered a real-time web application for student test performance analysis, leveraging Pandas and NumPy for efficient **JSON data processing** and generating **17 dynamic visualizations** (e.g., heatmaps, box plots) with Seaborn and Matplotlib.
- Automated **HTML syllabus parsing** with **BeautifulSoup** and integrated LLMs **for agentic AI-driven feedback**, streamlining analysis workflows and delivering **personalized learning insights**. Generated **PDF reports** with FPDF summarizing accuracy and time metrics. GitHub

ACHIEVEMENTS

- **TechGig Prompt Engineering (LLM) Hackathon**   *Jan 2025*
  Winner: Successfully reviewed and improved 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 refined 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.