Abhishek Koundal

LinkedIn • Github • HackerRank

PROFESSIONAL SUMMARY

Data Analyst with strong expertise in SQL, data analysis, and ETL processes, experienced in transforming complex data into actionable insights. Proficient in Python and data visualization, with hands-on experience in backend development using Node.js and database systems. Capable of understanding end-to-end system architecture, enabling efficient data-driven solutions and seamless integration between applications and data pipelines.

EDUCATION

Bachelor of Technology (Computer Science) 2019 - 2024
Haryana Engineering Collage Grade: 8.0/10.0

Intermediate (Class XII) 2018 - 2019
Nav Jyoti Sen. Sec. School Grade: 70.0%

Matriculation (Class X) 2015 - 2016
Alpine Public School Grade: 8.4/10.0

EXPERIENCE

Service and Support Engineer October 2025 - Present
Propix Technology *Baddi, Himachal Pradesh*

- Analyzed high-volume production data to detect inefficiencies, improving throughput by 15%+ in lines operating at 300–400 PPM
- Built and maintained data infrastructure, ensuring accurate data availability and reducing reporting errors by 20–25%
- Consolidated data from multiple hardware sources (PLC, cameras, printers), enabling a unified monitoring system and improving operational visibility by 30%
- Used SQL-based analysis to identify root causes of system issues, reducing downtime by 15–20%
- Delivered actionable insights to clients, accelerating issue resolution by 25–30% and enhancing system reliability

SDE-1 March 2025 - August 2025
Dehaze-labs *remote*

- Architected end-to-end ETL pipelines integrating YouTube, Discord, and Twitch APIs using Apache NiFi and AWS Redshift, reducing data
  latency by 30% and enabling near real-time analytics
- Developed high-throughput streaming pipelines with Apache Kafka, processing 50K+ records per 10 minutes and improving data availability for analytics by 40%
- Led data pipeline orchestration using Apache NiFi, increasing data reliability by 25% and minimizing pipeline failures across distributed systems
- Designed scalable data models and architectures, empowering cross-functional teams with faster access to insights and improving reporting turnaround time
- Collaborated cross-functionally to unify multiple data sources, delivering actionable insights that enhanced decision-making and business
  performance

Jr. Developer May 2023 - February 2024
Tech-Trio *Ahmedabad*

- Developed a lightweight data management application to streamline dataset updates and improve data accessibility, enhancing overall data accuracy .
- Optimized application performance by refining system architecture and implementing parallel processing, achieving a 30% improvement in processing speed and increased throughput .
- Ensured data integrity and consistency by implementing robust data validation and update mechanisms across the entire dataset lifecycle
- Enabled distributed processing across multiple machines, improving system efficiency and boosting throughput by 25%

PROJECTS

Pharma Documentation System October 2025

- Designed and developed a pharma documentation system for managing batch production records (BPR) and batch manufacturing records (BMR).
- Built the application using Vite (frontend), Node.js (backend), and PostgreSQL (database) for a scalable full-stack solution.
- Implemented structured data storage and retrieval with strong SQL design for handling complex pharmaceutical documentation workflows.
- Conducted R&D to understand pharma compliance requirements, ensuring the system aligns with real-world industry practices.
- Developed features for data entry, validation, and record tracking, improving accuracy and traceability of production data.

Car Price Prediction January 2025

- Developed a machine learning model with scikit-learn to predict car prices, supported by exploratory data analysis using Matplotlib and Seaborn.
- Deployed the model via a Flask API with pickle serialization, enabling efficient storage, loading, and real-time predictions.
- Built a React frontend for user-friendly input and visualization, ensuring seamless interaction with the prediction system.
- Integrated SQL database (if used) to store historical predictions and user inputs, supporting analysis and future improvements.

House Price Prediction January 2025

- Built a house price prediction model using scikit-learn, leveraging over 2,000 rows and 81 features of numeric and categorical data.
- Performed extensive data cleaning, preprocessing, and feature engineering to improve model reliability and accuracy.
- Optimized machine learning algorithms with hyperparameter tuning, applying Gradient Boosting for best performance.

- Achieved 85% prediction accuracy, delivering a robust and scalable solution for housing price estimation.

CERTIFICATIONS

Professional Certificate in course Newton School Newton School (Link) July 2024

- Gained expertise in data cleaning, analysis, and visualization through a structured curriculum.
- Proficient in Advance Excel, SQL, and Power BI for data querying, optimization, and interactive dashboard creation.
- Completed capstone projects focused on data visualization and deriving actionable insights for business solutions.

SKILLS

Computer Language: HTML, JavaScript, Python, SQL
Soft Skill: Interpersonal communication, Leadership, Presentation Skills, Responsibility, Teamwork
Databases & Data Tools: Excel, MySQL, Power BI
Frameworks & Libraries: Matplotlib, Microsoft Office, Pandas, Tailwind