

Abhishek Koundal

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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) Haryana Engineering Collage	2019 - 2024 Grade: 8.0/10.0
Intermediate (Class XII) Nav Jyoti Sen. Sec. School	2018 - 2019 Grade: 70.0%
Matriculation (Class X) Alpine Public School	2015 - 2016 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 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 Languages: Python, SQL, HTML, JavaScript, SQL, Python

Data Tools: Power BI, Power BI

Software Packages: Pandas, Matplotlib, Tailwind, Excel, MySQL, Excel

Soft Skills: Interpersonal communication, Leadership, Teamwork, Responsibility, Presentation Skills

Others: Microsoft Office