

# KUNAL CHHONKAR

Indian Institute of Technology Roorkee

+91-9897511540

✉ [chhonkar003kunal@gmail.com](mailto:chhonkar003kunal@gmail.com)

🌐 [LinkedIn: Kunal Chhonkar](https://www.linkedin.com/in/kunal-chhonkar)

🐙 [github.com/ChonkiAI](https://github.com/ChonkiAI)

## Professional Summary

- A B.Tech graduate from **IIT Roorkee** with strong analytical and problem-solving skills, proficient in **Python, SQL, and machine learning**. I am backed by experience in **real-world projects**, including adapting sales channels which led to a 10% increase in direct sales. I aim to transform complex data into actionable insights that support strategic decision-making and drive **measurable business growth** at your organization.

## Education

**Indian Institute of Technology, Roorkee**

**Nov 2020 – Jun. 2024**

*B.Tech Production and Industrial Engineering*

## Key Skills

**Languages & Tools:** Python, SQL, Power BI, Tableau, MS-Excel, PowerPoint.

**Analytical Techniques:** A/B Testing, Hypothesis Testing, KPI Definition, Behavioral Analytics, Collaborative Filtering

**Soft Skills:** Problem-Solving, Critical Thinking, Stakeholder Communication, Leadership, Collaboration.

## Work Experience

### Business Analyst

*Chhonkar Shoe Co. — Agra, India (May 2024 – Present)*

- Analyzed sales and inventory data to identify strategic opportunities, leading to a **10% increase** in direct sales to Cocoblu Retail Limited and a **10% reduction** in raw material waste.
- Spearheaded a major **improvement in on-time delivery** by developing and implementing a manual system to categorize and prioritize orders based on promised delivery dates, resulting in more efficient production workflows.

### Data Science Intern

*Exposys Datalabs — India (May 2023 – Jul. 2023)*

- Optimized data quality through preprocessing and feature engineering, reducing inconsistencies by **15%** and enhancing model precision by **10%**.
- Developed and tuned machine learning models (e.g., XGBoost, Neural Networks) for diabetes prediction, which **improved model precision by 10%** and achieved an **AUC-ROC of 0.88**, aiding in early and more accurate patient diagnosis.

## Projects

### Data Jobs Market Dashboard

**GitHub**

- Built an interactive Power BI dashboard using 2024 job postings data to analyze trends in job titles, salaries, and locations, enabling users to explore the data job market effectively.
- Performed ETL with Power Query and created DAX-based KPIs; implemented drill-through pages, map visuals, slicers, and bookmarks for seamless and insightful navigation.

### Algorithmic Trading Backtesting Framework

**GitHub**

- Developed a Python framework for backtesting trading strategies against historical market data, utilizing statistical analysis with **110+ trading strategies** to identify trends and patterns.
- Created summary reports and visualizations to **evaluate strategy performance**, factoring in market conditions like slippage and costs.

### AI-Powered Trading Strategy Coder from YouTube Videos

**GitHub**

- Engineered an automated pipeline to extract and clean unstructured text data from video transcripts, processing over 10 hours of content with **85% accuracy**.
- Transformed unstructured data into a structured Python format, enabling rapid quantitative analysis and reducing manual data preparation time by **70%**.

### Universal Translator

**GitHub**

- Developed a **cost-effective, privacy centric**, locally-hosted solution for locally stored audio & video file & YouTube video transcription and translation, leveraging Whisper models and yt-dlp to eliminate API costs.
- Engineered a pipeline with automatic language detection (**31 languages**), translation capabilities, and intelligent duplicate content filtering for improved readability.

## Positions of Responsibility

**Steering Head**, Team KNOx — Led a **25-member team** to achieve **AIR 15** at BAJA-SAE 2022.

May 2023 - 2024

**Co-Coordinator**, Thomso 22 — Organized **Tele Sporcle** event in one of **Asia's largest cultural fests**.

Oct. 2022