

# TAMSA KARWA

tamsakarwa@gmail.com • +91 8177839494 • [www.linkedin.com/in/tamsakarwa](https://www.linkedin.com/in/tamsakarwa)  
• <https://github.com/tamsakarwa>

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## SUMMARY

Detail-oriented Data Analyst with hands-on experience in collecting, cleaning, and preprocessing structured and unstructured data from diverse sources. Skilled in exploratory data analysis, statistical modeling, and building predictive models using Python, SQL, and ML frameworks. Proficient in creating interactive dashboards and reports in Tableau, Power BI, and Matplotlib to support cross-functional, data-driven decision-making

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## EDUCATION

**Vellore Institute of Technology, Bhopal**

**July 2022 - June 2026**

Bachelor of Technology

Major in Computer Science with specialisation in Artificial Intelligence and Machine Learning

Cumulative GPA: 7.4/10

**Brijlal Biyani Science College , Amravati, Maharashtra**

**July 2020 - May 2022**

HSC (XII) : 78%

**Tomoae School , Amravati, Maharashtra**

**June 2020**

ICSE (X) : 94%

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## PROJECTS

### Stock Market Prediction with Telegram Bot

<https://github.com/tamsakarwa/Stock-Market-Prediction-with-Telegram-Bot>

- Collected and modeled 5 years of stock data, achieving 87% accuracy in price forecasting using both Linear Regression and optional LSTM models.
- Automated ETL pipeline with yfinance for real-time data updates and analysis.
- Developed a Telegram Bot delivering real-time stock predictions (<3s response time) to end-users.

### Uber Ride Optimization

<https://github.com/tamsakarwa/nyc-uberride-optimization>

- Conducted analysis on 50K+ Uber rides, identifying peak-hour cancellation patterns & driver shortage zones.
  - Built predictive ML model with 82% accuracy for ride cancellations and developed dashboards in Tableau & Power BI.
  - Proposed data-driven solutions projected to reduce cancellations by ~15%.
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## ADDITIONAL INFORMATION

- **Data Analysis & Querying:** SQL, Google Sheets, Microsoft Excel
  - **Visualization & Reporting:** Tableau, Power BI, Google Data Studio, Matplotlib, Seaborn
  - **Programming & Data Science:** Python, NumPy, Pandas, TensorFlow, PyTorch
  - **Machine Learning & AI:** Predictive Modeling, Natural Language Processing (NLP), Generative AI
  - **Certifications:** Oracle Analytics Cloud Professional, Deloitte Data Analytics Job Simulation, Top 10 finalist in Codeverse AIML Hackathon among 800+ participants, Matlab Onramp Certification
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## ACTIVITIES

### General Secretary (2024-25)

Vitronix Club, Vit Bhopal

### Operation Team Lead (2023-24)

Entrepreneurship Cell, Vit Bhopal

### Operation Team Lead (2024-25)

Metaverse Club, Vit Bhopal