

# Gunjan Kothari

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## Summary

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Software Engineer with a strong foundation in statistics, data science, and UI/UX design. Experienced in building e-commerce platforms using Flutter and Dart, and skilled in Python, R, MySQL, and machine learning. Demonstrated ability to extract actionable insights from data, with project experience spanning OCR, astrostatistics, and business analytics. Currently transitioning into data analytics to drive data-informed decision-making.

## Experience

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**Data Analysis Intern** **Remote**  
**Codveda Technologies** **July 2025 – Present**

- Worked on exploratory data analysis (EDA) tasks using Python, Pandas, and Matplotlib to uncover trends and correlations.
- Data cleaning, pre-processing, and visualization performed for real-world datasets to support actionable insights.
- Used Jupyter notebooks to document workflows and present findings effectively.

**Software Engineer** **Mumbai**  
**Blockbuzz Innovate Pvt. Ltd.** **Dec 2023 – Present**

- Collaborated on the development of an Android e-Commerce application, ensuring timely sprint deliveries.
- Designed and implemented user interface features for more than 20+ user stories using Flutter and Dart, improving user interaction flow.
- Conducted rigorous testing for 60+ test cases including functional, integration, and UI regression tests.
- Created reusable widgets and modular components improving code maintainability by 25

**FullStack Developer Intern** **Mumbai**  
**Blockbuzz Innovate Pvt. Ltd.** **June 2022 – Dec 2023**

- Gained hands-on experience with Flutter and Dart while learning the company's technology stack.
- Focused on designing and building interactive and visually appealing UI components for mobile applications.
- Assisted in basic API integration and supported the testing team with UI bug fixes

## Skills

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**Languages & Tools:** MySQL (DDL, DML, Constraints), Python (NumPy, Pandas), R (Data cleaning, Visualization), Flutter, Dart, PowerBI.

**Techniques:** Statistical Analysis, Hypothesis Testing, Machine Learning (KNN, Classification), UI/UX design.

## Education

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**Savitribai Phule Pune University** **July 2022 – Aug 2023**  
**PG Diploma in Data Science and AI**

CGPA: 8.72

**Sir Parashurambhau College, Pune** **July 2019 – March**  
**BS in Statistics** **2022**

CGPA: 9.46

## Projects

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### AstroStatistics - Modeling of the MAGIC gamma ray telescope

- The objective of the project was to classify the reading data taken by the MAGIC Gamma Ray Telescope.
- The method used was the modern ML method in statistics called the CART method.
- The above methods were applied to data to compare the methods to determine the model accuracy.
- Used R software for analysis and fitting of the models.

### Airbnb NYC Data Analysis

- Cleaned and preprocessed NYC Airbnb dataset, handling missing values, duplicates, and data types.
- Performed exploratory data analysis (EDA) to uncover trends in pricing, room types, and review patterns.
- Visualized key insights using histograms, boxplots, scatter plots, and correlation heatmaps.

### Boston Housing Regression Analysis

- Evaluated performance using R-squared and MSE; interpreted coefficients to assess feature impact.
- Built a linear regression model to predict house prices.
- Split data into training/testing sets and visualized predictions vs. actuals.

### Time Series Forecasting - Stock Price Analysis

- Fetched Amazon stock data using Yahoo Finance API for time series analysis.
- Decomposed the series into trend, seasonality, and residuals using seasonal decomposition.
- Applied moving averages to smooth noisy data and reveal long-term trends.

## Publications

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### Exploring OCR for Historical Data Preservation

Aug 2023 - Sept 2023

Savitribai Phule Pune University

- Developed an OCR pipeline tailored to the Indus script, one of the oldest undeciphered writing systems, using deep learning and image processing techniques.
- Scraped and annotated an Indus seal data set, implemented preprocessing with OpenCV, and trained a CNN model for symbol recognition.
- Facilitated the digital preservation and accessibility of fragile archaeological records while promoting interdisciplinary collaboration between linguistics, archaeology, and data science.
- Published in the **International Journal of Scientific Research in Engineering and Management (IJSREM)**, September 2023.

[Exploring OCR](#) [↗](#)

## Extra Curricular & Certifications

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### Tata Group Data Analytics Job Simulation on Forage

July 2025

- Completed a job simulation involving AI-powered data analytics and strategy development for the Financial Services team at Tata iQ.
- Conducted exploratory data analysis (EDA) using GenAI tools to assess data quality, identify risk indicators, and structure insights for predictive modeling.
- Proposed and justified an initial no-code predictive modeling framework to assess customer delinquency risk, leveraging GenAI for structured model logic and evaluation criteria.
- Designed an AI-driven collections strategy leveraging agentic AI and automation, incorporating ethical AI principles, regulatory compliance, and scalable implementation frameworks.