

AMIT KARMAKAR

DATA ANALYST | PYTHON | SQL | POWER BI | EXCEL

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[Portfolio: amit-karmakar-data-portfolio](#) | [GitHub: github.com/amitkarmakar760-glitch](https://github.com/amitkarmakar760-glitch)

PROFESSIONAL SUMMARY

Entry-level Data Analyst with five evidence-based portfolio projects in Python, SQL, Excel, Power BI, Tableau, exploratory data analysis, data cleaning, dashboard development and relational database design. Analyzed 124,235 credit records and 9,871 title records, delivered 16+ insights, built a 23-visual Power BI report and created a local automation pipeline that queued 422 unique videos while blocking 10 duplicates.

TECHNICAL SKILLS

Data Analysis: Python, SQL, Excel, Pandas, NumPy, EDA, Data Cleaning, Statistical Analysis

Business Intelligence: Power BI, DAX, Tableau, Dashboarding, Data Visualization, Business Intelligence

Programming and Databases: Python, SQL, OOP, Exception Handling, SQLite, Relational Database Design, ER Modeling

Tools and Libraries: Pandas, NumPy, Seaborn, Matplotlib, GitHub, Jupyter Notebook, Google Colab, REST APIs, OAuth 2.0

PROFESSIONAL EXPERIENCE

STAR Health Insurance - Sales Manager

Mar 2024 - Dec 2024

Malda, West Bengal

- Managed customer follow-up, sales activity and daily team coordination in a target-driven insurance environment.
- Reviewed customer and sales activity to prioritize follow-ups, support retention and maintain stakeholder communication and service quality.

PROJECTS

Exploratory Data Analysis - Amazon Prime Video

Jul 2026

- Analyzed 124,235 credit records and 9,871 title records; cleaned, merged and imputed missing data across ratings, genres, runtimes, actors and directors.
- Delivered 16+ insights using distributions, box plots, heatmaps, temporal analysis and genre-level IMDb/TMDB comparisons.

Technologies: Python, Pandas, NumPy, Seaborn, Matplotlib, Jupyter Notebook, Data Cleaning, EDA

Amazon Prime Content Dashboard

Jul 2026

- Built a single-page interactive Power BI dashboard with 23 visuals covering KPI cards, slicers, trends, genres, countries, ratings and executive insights.
- Created DAX measures for total titles, movies, TV shows, average IMDb score, IMDb votes, runtime and highest IMDb rating.

Technologies: Power BI, DAX, Data Modeling, Data Visualization, Dashboarding, Business Intelligence

HORIZON YouTube Shorts Automation

Aug 2026

- Built an end-to-end local-first Windows pipeline for media validation, SHA-256 duplicate detection, offline SEO generation, SQLite FIFO queuing, scheduled YouTube uploads, logging and Telegram alerts.
- Prepared 422 unique videos, blocked 10 duplicates and implemented two daily upload slots, persistent retries, restart recovery and zero paid AI API cost.

Technologies: Python, SQLite, YouTube Data API v3, OAuth 2.0, FFprobe, Task Scheduler, Telegram API

Zomato Product Dissection and Relational Database Design

2026

- Mapped product features to four customer and business problems: food waste, busy lifestyles, dietary preferences and restaurant hygiene.
- Documented seven conceptual data domains and designed a nine-table operational ER model with primary keys, foreign keys and relationship cardinality.

Technologies: SQL, Relational Database Design, ER Diagram, Data Modeling, Product Analysis

Python Programming Capstone - CodeStorm Challenge

2026

- Solved 30+ programming problems spanning data types, slicing, conditionals, loops, custom functions, lambda expressions, OOP and exception handling.
- Built practical applications including calculators, a guessing game, Fibonacci generator, bank account manager and basketball score tracker.

Technologies: Python, Data Structures, Functions, OOP, Exception Handling, Algorithmic Problem Solving

EDUCATION

AlmaBetter - Data Science and Machine Learning

Dec 2025 - May 2026

Professional Certification | Grade: 9.2 | Python, SQL, Statistics, EDA, Machine Learning, Power BI and Tableau

Malda College - Bachelor of Arts in History

2017

CERTIFICATIONS

Python Certification - [Click to View](#)

Python programming certificate | Google Drive credential

Getting Started with NumPy and Pandas - [Click to View](#)

Awarded 12 Mar 2026 | Credential ID: 65393989056620

Skill Mastery Challenge - Getting Started with SQL - [Click to View](#)

Awarded 12 May 2026 | Credential ID: 83062618396899

CodeStorm Challenge - Industry Validated Project - [Click to View](#)

Awarded 24 Jul 2026 | Credential ID: 22271756834884

[View all certificates: Public Google Drive folder](#)