

# Mainak Chaudhuri

## Data Engineer & Analyst

Dynamic **Data Analyst** & **Data Engineer** with **3+ years** of diverse industrial experience in **freelancing**, **consultancy** and **product-based startup** environments. Expert in leveraging data to drive insights and innovation. Thoroughly abreast with ML-Ops best practices. High ticket closer with an experience over **50+** projects. Successfully augmented revenue by **30%** margin in a fiscal year.

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🐙 [github.com/MainakVerse](https://github.com/MainakVerse) | [github.com/MainakRepositor](https://github.com/MainakRepositor)

## WORK EXPERIENCE

### Data Engineer Happy People AI

08/2024 - 02/2025

Remote

Happy People AI is a digital resume and profile builder SaaS company that generates tailor-made profiles with AI.

#### Achievements/Tasks

- Performed multi-faceted analysis of profile coverages and data streams, improving performance up to **58%**
- Initiated data-driver market research and deep customer interaction analysis with AI, reducing **80%** marketing cost.
- Crafted profile data pipelines, check-points and followed ML-Ops best practices, augmenting accuracy by **29%**.

### Data Analyst Deloitte USI

08/2023 - 08/2024

Kolkata, India

#### Achievements/Tasks

- Improved business ROI by **12%** margin for healthcare client.
- Channelized **Salesforce** leads integrating with **Tableau** for effect analysis reducing operation costs by **23%**
- Visualized medical KPIs for client (Sanofi US) using **Salesforce Graphs** enhancing performance by **18%**

### Freelance Data Consultant Supernova

01/2022 - 07/2023

Remote

Supernova is my startup which provides industrial products and services to customers at competitive rates.

#### Achievements/Tasks

- Managed large scale (**10M+**) sales data of clients and improved performance by **85%**.
- Designed streamlined data pipelines with multiple SSO and reduced data manual collection efforts by **97%**.
- Boasted for **10x** growth of client's business and improvement of business process.

## EDUCATION

### B. Tech, Computer Science SRM Institute of Science & Technology

06/2019 - 05/2023

Chennai, India

#### Courses

- Data Science
- Data Visualization
- Database Integration
- Big Data Analytics
- Data Engineering
- ML-Ops

## SKILLS

Data Science

Data Analytics

Data Engineering

MLOps

RDBMS

AWS Sagemaker

Python

Database Architecture

PowerBI

Streamlit

AWS Lambda

MS Excel

Generative AI

R

## ACHIEVEMENTS

Kaggle Global Rank - 1688

## PERSONAL PROJECTS

### Integrated Diabetes Healthcare Program (01/2025 - 02/2025)

- **Detects** and **classifies** the presence of diabetes in a patient from blood and urine sample data with **99.8%** accuracy.
- Reduced lags by **20%** with the use of Streamlit Microservices.
- Implemented **Generative AI** for result based suggestions and medications cutting down diagnosis turnaround time by **80%**.

### Integrated Cardiac Healthcare Program (08/2024 - 12/2024)

- **Predicts** and **classifies** 5 different **types** of **heart attacks** based on **51** parameters with **99%** accuracy with less than 2 second delay.
- Suggestive medication system reducing medical operation costs by **90%** providing customized care with **LLM**.
- Data collection into **Cliniko** with HIPAA consent for enrollment in medical programs dropping manual intervention by **75%**

### Real Estate Market Evaluation & Resale Agreement (08/2024 - 09/2024)

- **Customizes data flow** according to **search preferences** of customers **improving target hits** by **40%**
- **Data pipelines** with **multi-channel** captures, reduces lead generation time by **70%**.
- **Time Series Analysis** augments trend preset calculation resulting in **2x** soar in **opportunistic marketing** with seasonality.

## CERTIFICATES

Deep Learning with Image Recognition  
(09/2024 - 09/2024) [🔗](#)

Certified Generative AI Expert (07/2024 - 07/2024) [🔗](#)

Certified Streamlit Developer (06/2024 - 06/2024) [🔗](#)