

Adhikram Maitra

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Experience

Anax Real Estate

Remote, New York, USA

Founding Engineer · Stack:- Python, Docker, Next.js, PostgreSQL

April 2025 - Present

- Build Up the Product

Stack:- Python, Docker, Next.js, PostgreSQL, Agentic AI

Scale:- Enabling the Real Estate Industry to be more efficient With AI Powered Lead Generation and Reachout

- * Reorganized the reachout funnel that lead the engagement rates to 10x through niched AI powered outreach with filtered Deals.
- * Backtested the AI pipelines to use the best models and prompt engineering to get the best results in lower cost started from openai moved to gemini and finalized the groq models.
- * Added Agentic Support in the entire reachout funnel to make it more efficient and less human intervention over the lifecycle of the product.
- * Redesigned the context engineering approach to the data enrichment pipeline to make it more qualitative to use down funneling the leads to reachout.
- * Created a Article Enrichment Pipeline which reduced the cost of third party data aquisition and added auto ingestion to the new leads, deals in the product from Real World Data.

MEDIA.NET (Directi)

Remote, India

Data Application Developer 2 · Stack:- Scala, Java, SQL, Spark, Kafka, PySpark, Hdfs

October 2021 - April 2025

- DANTE (Data Anomaly Tracker)

Stack:- Scala, Spark, Hive

Scale:- Comparing between nearly 3 Billion and 200 Million Rows in 30 minutes

- * Conceptualized our first configurable data quality tools which fortified data integrity for pipelines.
- * Optimized parallel data reading, leading to a 60-pct reduction in data (>100GB) processing time, enabling developers to perform real-time data validation and trend analysis for voluminous datasets.
- * EQ Tracer: A tool to monitor summative metric trends across configurable hierarchies with dynamic alerting mechanisms to filter out noise data, ensuring accurate insights.
- * Ratio Tracer: A tool for outlier detection using customizable percentile thresholds, enabling the proactive identification and mitigation of anomalies.
- * PM Tracer: A logging and monitoring tool that aggregates data from multiple sources, providing detailed coverage and mismatch analysis for enhanced data quality and system reliability.

- Spark Submit Orchestrator

Stack:- Bash, SQL

- * Developed an orchestrator for Spark submissions and PySpark scripts, dynamically fetching configuration from MySQL. This centralizes and tracks job configurations, while providing data for performance monitoring.

- StopLoss System

Stack:- Java, Structured Streaming, Batch Processing

Scale:- Fetching 50k records per second from Kafka and processing it in 5 minute bucket

- * Shifted Spark Streaming to Structured Streaming, leading to a 50-pct reduction in latency and improved error handling, which also added exactly-once assurance that terminated the data audit pipeline.
- * Implemented A/B testing to gain insights into traffic patterns and loss thresholds for individual entities. This initiative led to a remarkable reduction (15-pct) in overall losses, significantly contributing to the company's research and development efforts and generating tangible improvements in profitability.

DEVSNEST

Remote, India

Backend Engineer · Stack:- Ruby on Rails, Python, Redis, Amazon SQS

October 2020 - October 2021

- Discord Automation and Notification System

Stack:- Ruby on Rails, Python, Amazon SQS

Scale:- Sending 2k messages per day. Reaching 10k Users in 3 months

- * Pioneered automation for group moderation on Discord through website, unlocking the peer-learning aspect of the product. Resulted in reduced management costs with increased community engagement.
- * Developed an orchestrator for Spark submissions and PySpark scripts, dynamically fetching configurations from MySQL. This centralizes and tracks job configurations while providing data for performance monitoring.

Products

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|---|--|--|
| Tech Prufer Founder · | January 2026 - Present | |
| o Job Portal Platform | Stack:- Python, Next.js, PostgreSQL, Agentic AI | |
| Scale:- Tech Job Portal platform with AI-powered matching and automation | | |
| * Building a Job Portal Platform for the Tech Industry to connect the candidates with the best opportunities. | | |
| * Developed the Backend from scratch on baremetal, supported by a PostgreSQL database for scalable data management. | | |
| Equal Collective Founding Engineer · | January 2024 - January 2026 | |
| o Lead Management & Analytics Platform | Stack:- AWS, Node.js, Postgres, Azure, Data Modeling | |
| Scale:- Scaling from 0 to 20K+ monthly revenue with efficient lead tracking | | |
| * Lead the Product from Scratch to a point where it is being sustainable by itself, generating leads and revenue. | | |
| * Developed a lead management platform for the sales team, enabling efficient tracking of large datasets. | | |
| * Built a backend system that automates human-like analysis of leads, providing actionable insights to the sales team. | | |
| * Upgraded the Product analysing system performance by 80% by redoing the Data Model and the Analysis Pipeline. | | |
| * Hosted Custom Generic Models to cater the needs of the product which saves us from cost of generic models. | | |
| Resume & Website Generator Developer · | 2020 - Present | |
| o Automated Resume & Portfolio System | Stack:- LuaTeX, LaTeX, Jekyll, Ruby, Lua, JSON | |
| Scale:- Single source of truth generating 4 resume variants + portfolio website | | |
| * Built an automated system that generates multiple resume variants and a portfolio website from a single JSON data source. | | |
| * Implemented LuaTeX-based PDF generation with custom LaTeX templates for professional resume formatting. | | |
| * Integrated Jekyll static site generator to automatically create and deploy portfolio website from the same data. | | |
| * Eliminated manual resume updates - simply edit JSON files to regenerate all resume variants and website simultaneously. | | |

Education

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| Cooch Behar Government Engineering College | West Bengal, India |
| Bachelor of Computer Science and Engineering ; CGPA 8.8/10 | Jun 2017 - May 2021 |

Technical Skills

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| Languages Python, JavaScript, Scala, Java, SQL (PostgreSQL, MySQL), Ruby, C++ |
| Backend & Frameworks Node.js, Ruby on Rails, Next.js, Express, REST APIs, Microservices |
| Cloud & DevOps AWS (EC2, EMR, SQS), Azure, Docker, Jenkins, Git, Nginx, Redis |
| Databases & Data Engineering PostgreSQL, MySQL, Spark, Kafka, Structured Streaming, HDFS, Hive, PySpark, ETL, Data Modeling |
| AI & Machine Learning Agentic AI, Multi-LLM Integration, LLM Fine-Tuning, Prompt Engineering, Vector Databases, RAG |
| Analytics & Monitoring Metabase, Data Pipelines, A/B Testing, Performance Monitoring, Real-time Analytics |
| Software Engineering Design Patterns, OOP, Distributed Systems, System Architecture, Algorithms |