

# Adhikram Maitra

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## Experience

MEDIA.NET (Directi)	Remote, India
Data Application Developer · Stack:- Scala, Java, SQL, Spark, Kafka, PySpark, Hdfs	October 2021 - Present
◦ Spark Submit Orchestrator Scripts	Bash, Scala, Java, SQL, PySpark
* Developed a Bash script that orchestrates Spark submissions and PySpark scripts, dynamically fetching configuration from MySQL. This centralizes and tracks configurations used in Spark jobs, while providing data for real-time performance monitoring.	
◦ DANTE (Data Anomaly Tracker)	Scala, Spark, Hive, Graphana, Google Cloud Storage
* Led this sophisticated system blended with Json-based configuration, offering developers effortless real-time data validation and trend analysis for voluminous datasets.	
* Conceptualized our first data quality tool, designed to operate with diverse statistical formulas. Enabled real-time tracking of data trend shifts and null value surges, fortifying data integrity for upstream and internal systems.	
◦ StopLoss System	Java, Structured Streaming, Batch Processing, HBase, Kafka, PySpark, Hive
* Integrated HBase with Kafka Source which led to a 30-minute reduction in data latency and efficient error handling with faster access to actionable insights, establishing scalable foundation for future data growth.	
* Implemented A/B testing to gain insights into traffic patterns which led to a remarkable 15-pct reduction in overall losses, contributing to the company's research and development for improvements in profitability.	
* Introduced PySpark Alert Scripts for efficient debugging which provides advanced error detection capabilities, enabling enhanced error resolution speed and system reliability, leading to improved operational efficiency.	

DEVSNEST	Remote, India
Backend Engineer · Stack:- Ruby on Rails, Python, Redis, Amazon SQS	October 2020 - October 2021
◦ Discord Automation and Notification System	Ruby on Rails, Python, Amazon SQS
* Pioneered automation for group moderation on Discord through website using Amazon SQS, unlocking the peer-learning aspect of the product. Resulted in reduced management costs with increased community engagement.	
* Developed robust Discord Notification System using the Round Robin method, for effectively circumventing Discord's rate limit of 5 messages per second, resulting in increased user interaction and retention.	
◦ Customized Editors	Judge0 API
* Customized DSA Editor using Judge0 API for real-time code execution and evaluation. Standardized, a backend editor with custom assertion testing to elevate student's proficiency in Backend.	

## Education

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

## Projects

Fuzzy Tutor (In Progress)   Stack:- AWS ,Ruby on Rails   <a href="#">G</a>	January 2024 - Present
◦ Created an Online Exam system for Teachers to conduct Competitive Exams.	
◦ Build the Backend from scratch on AWS, supported by a postgres database hosted on Vercel.	
Bazar   Stack:- ReactJS, Firebase   <a href="#">View Site</a>	July 2021
◦ Developed the User Interface of E-Commerce with React and firebase user authentication.	
◦ Added Redux for managing orders with dynamically manageable cart value and payment system.	

## Technical Skills

Languages | Scala, Java, Python, SQL (MySQL), Ruby, C++  
Frameworks and Tools | Spark, HDFS, Ruby on Rails, Kafka, Git, Amazon Simple Queue Service  
Fundamentals | Design Patterns, Object-Oriented Programming, Distributed Systems, ETL