

# Gaurab Kumar Choudhary

Garulia, West Bengal

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## Summary

Strategic and data-driven professional with expertise in AI/ML, business analytics, and client management. Skilled in market research, process optimization, and data-driven decision-making to drive business growth. Experienced in collaborating with leadership, executing strategic initiatives, and leveraging technology for operational efficiency. Passionate about aligning insights with business objectives to fuel innovation and expansion.

## Experience

**Associate Engineer (AI-ML)** | Aalho Consulting Private Limited (April 2024 – Present)

- Collaborated with team members and engaged with clients during the implementation of **iReceivables**, ensuring smooth integration and issue resolution.
- Maintained relationships with previous clients, acting as a **relationship manager** to provide continued support, address concerns, and explore new opportunities.
- Contributed to the development of Oracle iReceivables solutions, ensuring alignment with client requirements and business goals.
- Developed and deployed AI-driven solutions using AWS, Django, and YOLO-based computer vision models to optimize business processes.
- Worked closely with cross-functional teams to implement data-driven strategies that enhance operational efficiency.

## Skills

Business Strategy & Execution, Market Research & Competitive Analysis

Client Relationship Management, Data-Driven Decision Making,

Risk Assessment & Mitigation, Financial & Business Analytics, MS PowerPoint, MS Excel

**Programming & Scripting:** Python, SQL, R, JavaScript, C

**AI/ML Frameworks:** TensorFlow, PyTorch, Scikit-Learn, Keras, OpenCV, NLP (Spacy, NLTK)

**Big Data & Cloud Services:** AWS (SageMaker, Redshift, DynamoDB, S3, Lambda), Spark, Hadoop

## Education

**University Of Kalyani**

Nov 2022 – July 2024

**Master of Science In Data Science:** 68.14%,

- Mathematics & Statistics: Mathematical Foundation, Statistics & Data Analytics
- Programming & Algorithms: Algorithms & Data Structures, Scientific Computing, Advanced Programming
- Database & Systems: Database Management Systems, Operating Systems, Data Warehousing
- Artificial Intelligence & Machine Learning: Artificial Intelligence, Machine Learning & Deep Learning, Data Mining & Visualization
- Big Data & Analytics: Big Data Algorithms & Analytics

**R.B.C Collage (W.B.S.U)**

July 2019 – July 2022

**Bachelor of Science in Mathematics (Hons):** 80%

- Core Mathematics: Calculus, Real Analysis, Algebra, Multivariate Calculus, Numerical Methods
- Linear & Abstract Algebra: Group Theory, Ring Theory, Linear Algebra
- Applied Mathematics: Partial & Ordinary Differential Equations, Metric Spaces, Complex Analysis, Mechanics
- Probability & Statistics: Number Theory, Probability & Statistics, Linear Programming
- Programming & Logic: C Programming, Boolean Algebra, Automata Theory, Logic & Sets

**Garulia Mill High School**

2017 – 2019

12th With PCM(B): 75%,

**Garulia Gouri Shankar Jute Mills Hindi Vidyalaya High School**

10<sup>th</sup>: 69%, Garulia

## Projects

**RNN-LSTM Price Movement Predictions for Trading Algorithms** ([GitHub](#))

- Designed an RNN-LSTM model for forecasting stock, forex, and crypto price movements.
- Integrated technical indicators like RSI & Moving Averages to enhance predictive accuracy.
- Applied findings to support financial decision-making and business strategy.

### **Deepfake Image Generator using DCGAN ([GitHub](#))**

- Developed a deep convolutional GAN model to generate hyper-realistic synthetic human faces.
- Explored applications of generative AI in media, security, and digital identity verification.

### **Interest**

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Travelling, Tracking, Lifting Weights