

ANURAG CHOWDHURY

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PROFESSIONAL SUMMARY

Results-driven ML Engineer and Data Scientist pursuing an MSc in AI & Machine Learning at Christ University, with hands-on experience across fintech, gaming, and enterprise domains. Skilled in building and deploying predictive models, NLP systems, and Generative AI applications. Proven ability to translate complex data into measurable business impact through applied machine learning.

LinkedIn Recommendation: [View Certificate](#)

WORK EXPERIENCE

Iolite Technologies

Bangalore, India

ML Engineer Intern

October 2025 – Present

- Built an intelligent **Admission Analytics dashboard** improving decision efficiency by **approximately 30%** with predictive insights.
- Developed a fully autonomous marks verification system using **Mistral OCR3 + GPT-4**, eliminating manual verification and reducing processing time by **approximately 60%** while improving accuracy.

HSBC Data Processing Centre

Bangalore, India

Data Analyst Intern

January 2023 – May 2023

- Worked with the **Global COE Team** to build **ML models** to optimise prediction of HSBC stock prices.
- Delivered a model with **RMSE of 0.4** to support informed buy/sell decisions, improving financial outcomes.

Tata Consultancy Services

Bangalore, India

Assistant System Engineer (ML)

July 2019 – August 2020

- Reduced user errors in purchase orders by **30%** using a **Recommendation Engine** and error pattern analysis.
- Assisted in designing a **data pipeline architecture** (team of 5) that scaled a new product to **100,000 daily active users**.

EDUCATION

Christ (Deemed to be University), Bangalore

2025 – 2027

MSc Artificial Intelligence & Machine Learning - CGPA: 3.55/4.0 | Coursework: Deep Learning, NLP, Time Series, LLMs

Christ (Deemed to be University), Bangalore

2021 – 2023

MSc Data Science - CGPA: 3.55/4.0

Christ (Deemed to be University), Bangalore

2015 – 2019

B.Tech in Computer Science Engineering - CGPA: 9.45/10.0 | Coursework: Algorithms, OS, Data Structures

PROJECTS

PlayerPulse | Python, FastAPI, React, XGBoost, Monte Carlo

[Live](#) | [GitHub](#)

- Built a gaming analytics platform with a **Monte Carlo slot engine** processing **1M+ spins in under 2s**, optimising RTP, hit frequency, and volatility while generating synthetic player datasets.
- Developed an **XGBoost churn prediction pipeline (68.5% accuracy)** and an A/B testing framework simulating **40% lower churn**, improving ARPU and LTV for player retention.

Decider AI | Python, FastAPI, React, LangChain, LangGraph

[Live](#) | [GitHub](#)

- Built a **7-agent decision intelligence platform** using a **multi-agent framework** (LangChain, LangGraph) for small/mid-size businesses, enabling dataset upload and KPI analysis, predictions, and what-if simulations via a conversational interface.
- Engineered self-mutating dashboards driven entirely by backend agent JSON output, eliminating frontend business logic and **reducing dashboard update latency by 60%** compared to traditional BI pipelines.

TECHNICAL SKILLS

Languages: Python (NumPy, Pandas, scikit-learn)

Frameworks & Libraries: Hugging Face, PyTorch, TensorFlow, FastAPI, Streamlit, Docker, LangChain, LangGraph

Domain (ML/DL): Computer Vision, NLP, Machine Learning, Sports Analytics, LLMs, Gen AI, Agentic AI, Statistical Analysis, Data Analysis, XGBoost, LLM Monitoring, LangSmith

Gaming & Simulation: Monte Carlo Simulation, Slot Machine Statistics (RTP, Hit Frequency, Volatility, ARPU, LTV)

Version Control: GitHub

CERTIFICATIONS & ACHIEVEMENTS

Certifications:

- [Fundamentals of Accelerated Computing with CUDA Python](#) - NVIDIA, Apr 2026
- [Developing LLM Applications with LangChain](#) - DataCamp, Nov 2025
- [Time Series Analysis in Python](#) - DataCamp, Nov 2025
- [Python for Data Science](#) - Infosys Springboard, Aug 2025

Awards & Honours: Gold Medal, Silverzone Mathematics Olympiad (2014) · Silver Medal, Information Science Olympiad (2014)

Sports: College Football Representative (2016–2018) · Gold Medal, Inter-Dept Cricket · Silver Medal, Inter-Dept Football