

PRITAM KUMAR GHOSH

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PROFESSIONAL SUMMARY

Computer Science undergraduate with internship experience in Data Analytics and Machine Learning. Skilled in Python, SQL, Power BI, NLP, EDA, and Model Evaluation. Experienced in building ML pipelines and data dashboards to generate actionable business insights. Seeking entry-level Data Analyst / ML Engineer / AI Engineer role.

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript

Data Analytics: Excel, Advanced Excel, Power BI, Power Query

Machine Learning & AI: Machine Learning, Deep Learning, NLP, LSTM, YOLO, Feature Engineering, Hyperparameter Tuning

Libraries/Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, OpenCV, Flask

Databases: MySQL, Firebase

Core Concepts: Data Cleaning, EDA, Statistical Analysis, Data Visualization, REST APIs, Model Deployment

Tools: Git, GitHub, Postman

Data Engineering: ETL, Data Validation, Data Modeling

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science Engineering

GIET University, Gunupur

2022 - 2026

Senior Secondary (12th)

Tokyo Advanced Higher Secondary School

2020 - 2022

INTERNSHIP EXPERIENCE

Machine Learning Engineer Intern

APT Software Avenues Pvt. Ltd., Kolkata

May 2024 – July 2024

- Engineered end-to-end ML pipelines reducing manual effort by 25%.
- Optimized model performance, increasing prediction accuracy by 12% through feature engineering and hyperparameter tuning.
- Assessed model performance using Accuracy, Precision, Recall, F1-score, and AUC metrics.
- Implemented and deployed Flask-based ML solutions for real-time inference.

Data Analyst Intern

Rinex, Bengaluru

Jan 2024 – Mar 2024

- Performed EDA on 10,000+ records identifying trends and KPIs.
- Built SQL queries and Power BI dashboards improving reporting efficiency by 20%.
- Cleaned and transformed datasets improving data quality by 30%.

PROJECTS

Government ID Card Information Extraction System

Python, OCR, NLP

- Built AI-based system to extract structured data from ID cards using OCR and NLP.
- Implemented Named Entity Recognition improving extraction accuracy by 15%.

Weapon Detection & Alert System

Python, YOLO, OpenCV, Flask, Twilio API

- Developed real-time object detection system achieving 90%+ detection accuracy.
- Processed live video feed and automated SMS alerts with timestamp and location.

Pizza Sales Business Intelligence Dashboard

SQL, Power BI, DAX

- Analyzed 15,000+ sales records and built KPI dashboards using DAX.
- Built dynamic dashboards improving decision-making efficiency by 25%.

CERTIFICATIONS

- Data Analytics with Python – NPTEL (IIT Roorkee)
- SQL Gold Level (5-Star Badge) – HackerRank
- Complete Guide to NumPy, Pandas, SciPy, Matplotlib & Seaborn – Udemy
- Data Science Certification – Rinex

ACHIEVEMENTS

- Solved 100+ SQL and programming problems on HackerRank and Leetcode.
- Qualified at University Level – Smart India Hackathon (SIH).