ANKIT DEY

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PROFESSIONAL SUMMARY

Data Analytics & **AI/ML** Intern skilled in **Python**, **SQL**, and **Scikit-learn**, with **hands-on experience** in **building predictive models**, **automating data cleaning workflows**, and **creating visual dashboards**. Passionate about leveraging data modeling and machine learning to drive product intelligence and decision-making in fintech environments.

EDUCATION

Haldia Institute of Technology
Applied Electronics and Instrumentation Engineering
June, 2026
Haldia, IN
8.13 CGPA

CBSE, XII - HEM SHEELA MODEL SCHOOL
March, 2020
Core Science – 74.2%

TECHNICAL SKILLS

- Programming & Data: Python, SQL, Pandas, NumPy, Scikit-learn, TensorFlow (basic), Matplotlib

- Data Modeling & ML**:** Regression, Classification, Clustering, Feature Engineering, Model Evaluation

- Data Pipeline & ETL**:** Data Cleaning, Transformation, Integration with APIsData

- Visualization & Reporting**:** Power BI, Tableau (Basics), Excel Dashboards

- Version Control: Git, Github

PROJECTS

Credit Card Fraud Detection (AI/ML MODEL) | REPORT   *Python, Scikit-learn, Data Preprocessing*

- Designed a fraud detection model using Logistic Regression, Decision Tree, and Random Forest with Scikit-learn.
- Handled **data cleaning, feature scaling, and class imbalance correction (SMOTE)** on a **284K-record Kaggle dataset**.
- Improved **precision from 28% → 33%** while maintaining **99.6% accuracy**, strengthening detection reliability.
- Built a **modular pipeline architecture** supporting multi-model integration for scalability.
- Evaluated models using **accuracy, recall, and F1-score**, outlining use in **real-time fintech fraud systems**.

Automated Data Cleaning for Retail Analytics   *Python scripting, Feature engineering, Data quality enhancement*

- Created **Python scripts and SQL queries** to clean, transform, and model structured retail data (>10K rows, 18+ fields).
- Engineered derived variables like **Profit Margin** and **Order Month** for predictive and time-series analysis.
- Automated missing-value imputation and duplicate removal, improving **data reliability for ML models**.
- Integrated datasets into **dashboards and ETL workflows**, streamlining **data pipeline efficiency**.

PROFESSIONAL SKILLS

- Clear written and verbal communication for stakeholder collaboration.
- Strong analytical thinking with data-driven problem solving, critical thinking, and ability to navigate ambiguous tasks independently or in teams.
- Independent contributor with cross-functional teamwork and adaptability.
- Efficient time management and system optimization through project execution.

INTERNSHIPS

Data Analytics & AI/ML Intern | Oasis Infobyte | Oct 2025 – Present   OFFER LETTER

- Clean, transform, and model structured and semi-structured datasets using Python, Pandas, and NumPy to support AI/ML initiatives.
- Build and maintain ETL pipelines and prepare model-ready datasets for segmentation, prediction, and scoring.
- Assist in developing machine learning models (classification, regression, clustering) and feature engineering for product insights.
- Create dashboards and visualizations to deliver actionable insights for business and product stakeholders.

Key Tools & Skills: Python, SQL, Pandas, NumPy, scikit-learn, TensorFlow (familiar), ETL/Pipelines, Dashboards, ML Models.

Data Analyst – I (Trainee Intern) | CERTIFICATE   *Intrainz Innovation*

- Designed interactive dashboards for healthcare data, enhancing insights and decision-making.
- Processed patient datasets, applied data preprocessing and anomaly detection.
- Collaborated on data-driven product improvements—aligned with fintech data initiatives.
- Ensured data consistency and usability through SQL-based preprocessing and performance optimization.

AI and Machine Learning Industrial Internship | CERTIFICATE   *Ardent Computech*

- Gained hands-on exposure to **AI model deployment, data security, and anomaly detection**.
- Applied **ML algorithms** for identifying irregularities in large datasets, improving model reliability.

CERTIFICATIONS AND RECOGNITION

- Certified by Oracle Corporation in Dat Science | Certificate
- Certified by HackerRank in Advanced SQL | Certificate
- Certified in Data Science & Analytics (HP LIFE) with hands-on knowledge of leading practices, methodologies, and tools for driving data-driven business decisions. | Certificate
- Obtained the "Getting Started with Tableau" certificate from Analytics Vidhya, in interactive dashboard development, data visualization techniques, and translating data into actionable insights. | Certificate
- Certified in Data Analysis with Apache Hive – gained hands-on expertise in big data querying, data warehousing, and analytical processing. | Certificate
- Certified in Effective Presentations (HP LIFE) with proven skills in tailoring content, persuasive delivery, and designing impactful presentations. | Certificate
- Leadership Skill Assessment (Certificate) by Learntube.ai
- Hands-on skill development program on 3D Printing & 3D Scanning at HIT AICTE IDEA Lab, Haldia Institute of Technology | Certificate
- ISO-certified HR Generalist & Analytics training covering payroll, recruitment, Excel, and interview strategy at Tareeqa Global Solution Pvt. Ltd. | Certificate and LoR