

Amit Karmakar

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Motivated fresher with a passion for data-driven technologies, seeking to launch a career in the tech industry. Eager to apply problem-solving skills to contribute to data-driven solutions while continuously expanding my technical knowledge.

SKILLS

Programming & Database : C++, Python , SQL

Library : Pandas , Numpy , Matplotlib , Seaborn , Scikit-Learn , NLTK , TensorFlow

Tools : PowerBI , MS Excel , Google Colab , Jupyter Notebook

ETL Tools : Azure Data Factory , Azure Databricks , Azure Synapse Analytics

EXPERIENCE

Intern – Edunet Foundation | AICTE & Shell

(April-May,2025)

Green Skills Using AI Technologies

- Analyzed crop production data to support sustainable agricultural practices.
- Developed interactive dashboards using Power BI to visualize yield, land use, and environmental trends.
- Presented insights and visual reports to stakeholders for data-driven decision-making.

PROJECTS

1 . **SentiMed** - a BERT-powered web app for ABSA of hospital reviews.

(Python,Pandas Streamlit, PyTorch, NLTK, Hugging Face, Altair, Matplotlib, Beautiful Soup, Google Places API(new))

- Developed SentiMed, an NLP-powered hospital review analyzer using a fine-tuned BERT model.
- Enabled location-based hospital recommendations via Google Maps API and aspect-wise sentiment.
- Delivered real-time ABSA reports to support data-driven insights and service improvement.

2 . **Credit Card Financial Dashboard** (PowerBI , Postgres SQL)

- Created an interactive dashboard utilizing transaction and customer data from a SQL database to deliver real-time insights.
- Engineered dynamic visualizations to monitor KPIs and identify usage trends.
- Provided strategic insights to stakeholders, enabling informed, data-backed decisions.

3 . **End to End ETL Pipeline With Microsoft Azure**

- Built a complete ETL pipeline to extract and transform data from on-prem SQL Server using ADF and ADB.
- Designed the Medallion architecture in ADLS and curated datasets in Azure Synapse Analytics.
- Constructed Power BI dashboards to highlight key business metrics.




EDUCATION

Secondary School Examination WBBSE Board | 2019 | 86%

High Secondary School Examination WBCHSE Board | 2021 | 87%

Bachelor of Technology (B.Tech) – Computer Science & Engineering MAKAUT | CGPA : 8.73 (Ongoing)

CERTIFICATIONS

- Data Analytics Essentials By CISCO 
- Python for Data Science, AI & Development By IBM 
- AWS Educate Machine Learning Foundations 
- Foundations: Data, Data, Everywhere By Google 