

# Akash Bharadwaj *Data Analyst*

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## Certificates

- Microsoft Certified: Power BI Data Analyst Associate [↗](#)
- Microsoft Certified: Azure Data Engineer Associate [↗](#)

## Skills

### Data Analysis and BI tools :

PowerBI, Tableau, Excel

### Azure Cloud Data Management

ADF, ADLS, Synapse Analytics.

### Programming / Scripting

Python, SQL

### Python Libraries

NumPy, Pandas, Matplotlib, ScikitLearn, Beautiful Soup.

### Data Warehouse

Snowflake, SSMS

### Machine Learning

Linear/Logistic Regression, Decision Tree, RandomForest Classifier.

### ETL and MDM

Talend, Alteryx, Reltio

### Generative AI

Prompt Engineering, Azure OpenAI Service.

## Professional Experience

### Cognizant

*Programmer Analyst*

Apr 2023 – present | Kolkata, India

#### Responsibilities:

- **Data Modeling & Report Building**  
Designed and developed data models, and interactive dashboards using PowerBi, and Snowflake.
- **Workspace & Report Management**  
Manage security, updates, and schedule refreshes of the Dashboards and Data Models in the Workspace.
- **Cross-Team Collaboration**  
Collaborating with the data and platform team to provide actionable insights through in-depth data analysis and visualization, for optimizing enterprise operations.

#### Achievements:

- **KPI Dashboard & Data Model Optimization**  
Consolidate scattered data models apply RLS and create a KPI Dashboard, It improves client productivity, and reduces memory and CPU consumption of our warehouse and workspace, hence decreasing infrastructure costs and increasing revenue by 2%.
- **AI Solutions Delivery**  
Contributed to delivering an AI-driven support ticketing system that enhanced enterprise efficiency and operational optimization.

## Education

### B.Tech in Electronics & Communication Engineering

*Institute of Engineering & Management*

2018 – 2022 | Kolkata, West Bengal, India

I have secured an aggregate of **8.86 CGPA**.

### Intermediate (PCM)

*Central Board of Secondary Education*

2018 | Begusarai, Bihar, India

I have secured an aggregate of **69%**.

## Projects

### Global Arms Trade Analytics [↗](#)

*PowerBI | SQL | GenAI | Excel | SSMS | Python | Jupyter | Web Scrapping | Beautiful Soup | file IO | pandas | numpy.*

2024

- **Data Mining:** Collected huge raw data from websites like SIPRI, Global Firepower Index, World Bank, and Kaggle and stored it in our database in SSMS.
- **Database Management:** Used SSMS for data transformation, creating joins, and views, followed by additional data transformation in Power BI's Power Query.
- **Data Modeling:** Built a comprehensive data model to visualize insights using Power BI.
- **Key Analysis:**
  - Identified the top global military powers by firepower, military spending, and weapon in demand.
  - Analyzed global defense import/export trends, top deals, and major defense partnerships.
  - Studied the impact of COVID-19 and ongoing wars on the global defense supply chain.

### Vehicle Automation [↗](#)

*Python | NumPy | Pandas | Matplotlib | ScikitLearn | Jupyter | MS Excel*

2022

- **Developed a Decision-Making System for Autonomous Driving:**  
Created a machine learning-based decision-making system for autonomous vehicle control.
- **Machine Learning Model Training:**  
Trained an ML model using datasets containing various driving scenarios and used the model's outputs for further training to enhance accuracy in decision-making.
- **Data Management:**  
Stored the core dataset in Excel and used Pandas DataFrame for data manipulation and management in Python, ensuring efficient handling of the dataset.