

ARGHA BASAK

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PROFILE STATEMENT

CSE graduate and Junior Data Analyst with hands-on experience in data analysis, web application development, and workflow automation. Develops data pipelines, interactive dashboards, and integrated applications to streamline operations and support data-driven decisions.

EDUCATION

BRAC University 2022 – 2026
Bachelor of Science in Computer Science and Engineering, CGPA: 3.63 / 4.00 Dhaka, Bangladesh

EXPERIENCE

Junior Data Analyst – CarryBee May 2026 – Present

- Build ETL and reporting workflows using Python, PostgreSQL, n8n, and Google Apps Script.
- Analyze merchant churn, delivery trends, and operational gaps using SQL, Excel, and Google Sheets.
- Develop KPI dashboards in Metabase and Power BI to track merchant, hub, and delivery performance.

Intern – Information & Technology Department – City Bank PLC January 2026 – April 2026

- Supported IT operations, documentation, issue tracking, and workflow coordination.
- Assisted with reporting accuracy and cross-team coordination for timely issue resolution.

PROJECTS

Merchant Performance Analysis Dashboard – Google Apps Script, Google Sheets

- Developed a web dashboard comparing merchant success rates, return rates, revenue, and parcel aging.
- Added interactive filters, forward and reverse aging views, CSV exports, and data validation alerts.

Delivery Operations Analytics Dashboard – SQL, PostgreSQL, Power BI

- Analyzed city-level delivery outcomes and rider efficiency to identify operational performance gaps.
- Created SQL-driven Power BI reports to monitor delivery KPIs and highlight SLA breach patterns.

AI-Powered WhatsApp Automation – n8n, Gemini

- Built a WhatsApp AI agent using n8n and Gemini to automate responses to user queries.
- Integrated conversation memory and external tools for contextual replies and information retrieval.

Adult Income Prediction – Python, Scikit-learn

- Developed a classification pipeline with data preprocessing, encoding, training, and evaluation.
- Compared classification models and identified Random Forest as the best-performing model.

AI-Based VQA System – Vision Language Model Research

- Worked on a Bangla visual question answering system combining image, speech, and text inputs.
- Explored vision-language models to support crop disease diagnosis.

Dummy Food Order App – MERN Stack

- Developed a food ordering app with authentication, menus, ratings, and order tracking.
- Implemented backend workflows for order handling and platform interactions.

TECHNICAL SKILLS

- Analytics & BI: SQL, Power BI, Metabase, Looker Studio, Excel, Google Sheets
- Languages & Databases: Python, JavaScript, PostgreSQL, MySQL, MongoDB
- Python Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, SQLAlchemy
- Automation & ETL: n8n, Google Apps Script, Google Sheets API, Python ETL pipelines
- Web & Tools: FastAPI, React, Node.js, Git, GitHub

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Participant: Augmedix Battle of Minds — GP Future Makers — Over The Wall
Member: BRAC University Computer Club, BRAC University Art and Photography Society
Former Instructor, MZS Science Club
Co-Founder, Rangtuli, a non-profit organization

CORE COMPETENCIES

Data Analysis — Business Intelligence — KPI Tracking — Workflow Automation — Reporting