

# Ibrahim Izz El-Deen

## Data Engineer



Egypt



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<https://ibrahim-izz.github.io/portfolio/index.html>

### PROFILE

Data Engineer & BI Developer with expertise in AWS Data Pipelines and Business Intelligence. Skilled in delivering data-driven insights and tailored solutions by transforming complex data into actionable results. Familiar with machine learning and predictive analytics concepts.

### SKILLS

Data Scraping, Preparation, Integration, Analysis, Modeling, Visualization & Storytelling Using Following Tools

- **BigQuery**
- **Qlik Cloud**
- **Looker Studio**
- **Metabase**
- **PostgreSQL, MS SQL Server & MySQL**
- **Power BI**
- **Python**
- **AWS Analytics Services**

### WORK EXPERIENCE

- **Data Engineer** at USYTech October 2024 – Present  
Develop and maintain data solutions for EagleRider United States.  
Develop Reports & Dashboards using Crystal Reports, Qlik, MySQL & Looker Studio.  
Communicate with clients to gather requirements and provide technical solutions.  
Analyze business needs and translate them into well-defined reports.  
Convert features into detailed, documented user stories for development teams.
- **Data Engineer** at NOAAT Startup February 2024 – September 2024  
Developed AWS ETL pipelines using Lambda, S3, Glue, Step Functions, and Athena.  
Conducted data analysis and designed dashboards using Looker Studio and Metabase.  
Performed predictive analysis with BigQuery ML.  
Executed web scraping projects using BeautifulSoup, Requests, and Selenium.

### PROJECTS

- **Dining Satisfaction Descriptive & Predictive Analysis**  
Used Looker Studio and BigQuery ML to analyze dining satisfaction, developing a dashboard for analysis and forecasting customer satisfaction with a 95.25% model accuracy improvement.
- **E-Commerce End-to-End Analytics**  
Conducted ETL with Power Query and visualized e-commerce data using Power BI, uncovering insights on payment trends and customer feedback, with additional DAX analysis in SQL Server.
- **AWS Data Pipeline**  
Designed an AWS-based end-to-end data pipeline leveraging Glue Crawler for data discovery, Glue Data Catalog for organization, Glue ETL jobs for processing, then integrated Athena for data warehousing, enabling efficient query execution and insightful data analysis in Metabase.

### EDUCATION

- **Bachelor of Engineering in Electronics and Communications Engineering** October 2018 - May 2023  
Higher Institute of Engineering and Technology, New Damietta, Egypt GPA: Very Good
- **Graduation Project: Simulation and Implementation of an Autonomous RC Car**  
IEEE Competition Achievement Certified Grade: Excellent