

# Masy Mohamed

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## PROFESSIONAL SUMMARY

Full Stack Developer experienced in building scalable web applications with JavaScript, TypeScript, React, Node.js, Express, PostgreSQL, Prisma, and NestJS. Skilled in data analysis using SQL, Power BI, and Python, combining backend development with analytical problem-solving. Focused on delivering high-quality software and contributing to innovative projects.

## AWARDS AND CERTIFICATIONS

<b>HCIA-AI</b>   Huawei	2023
<b>Introduction to AI and Machine Learning</b>   British University	2024

## TECHNICAL SKILLS

**Frontend:** HTML, CSS, JavaScript, React

**Backend:** JavaScript, TypeScript, Node.js, Express, NestJS

**Databases:** PostgreSQL, Prisma ORM

**Tools:** Git, Docker, REST APIs, JWT

**Data:** Power BI, SQL, Python, Power Query, Excel

## EXPERIENCE

<b>Data Analyst Intern</b>   National Telecommunication Institute (NTI)	May 2024 – Present
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- Analyzed datasets using SQL, Python, and Power BI to support decision-making.
- Refined BI dashboards using DAX, Power Query, and structured modeling, improving reporting efficiency by 30%.
- Completed 5+ practical analytical projects aligned with industry workflows.

<b>Data Analyst Intern</b>   El-Araby Group	Aug 2023 – Sep 2023
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- Processed raw datasets, performed transformations, and calculated 10+ key KPIs.
- Leveraged SQL, Python, and Power BI to extract actionable insights, increasing reporting accuracy by 25%.
- Expanded dashboards to reveal churn, product performance, and operational trends.

## EDUCATION

6th of October University	<b>Bachelor of Computer Science and Information Systems</b>   GPA: 3.56	2020 – 2024
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## PROJECTS

<b>SmartHome Backend</b>   NestJS, TypeScript, Prisma, PostgreSQL	2024
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- Developed modular backend for smart-home systems with organized modules and services.
- Implemented JWT-based authentication and role-based access control, reducing unauthorized access risk by 40%.
- Extended Prisma schema with migrations for 5+ entities including devices, telemetry, and users.
- Built 15+ REST API endpoints for device control and user operations.

<b>Beauty Mate Backend</b>   Node.js, Express, PostgreSQL, Prisma	2023 – 2024
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- Enhanced backend workflow for a skincare platform managing user onboarding and analysis.
- Integrated recommendation logic achieving 85% approval rate during testing.
- Optimized PostgreSQL schema and queries, improving response time by 30%.

<b>Heritage Hearth Bakery Analytics</b>   Power BI, SQL, Excel	2025
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- Analyzed seasonal and regional sales influenced by weather and holidays.
- Built forecasting visuals supporting inventory and production decisions, increasing planning accuracy by 20%.
- Identified product patterns across 3 regions to guide strategy.

<b>Moda Avenue Style Surge</b>   Power BI, SQL, Marketing Analytics	2025
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- Examined Instagram flash sale performance and engagement metrics.
- Assessed influencer impact on conversions and product visibility, improving campaign ROI by 18%.
- Adjusted marketing strategies based on insight-driven analysis, increasing engagement by 25%.

<b>Crust &amp; Bloom Revenue Optimization</b>   Power BI, SQL, Python	2025
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- Analyzed delivery routes, product movement, and customer interactions.
- Refined dashboards to reduce return rates by 15% and improve delivery performance.
- Enhanced revenue insights through KPIs and product refinement metrics.

<b>E-commerce Dashboard</b>   Power BI, SQL, DAX	2023
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- Enhanced sales and customer trend analysis using dynamic BI elements.
- Cleaned and modeled datasets, reducing data processing time by 20%.

<b>Customer Churn Dashboard</b>   Power BI, SQL	2023
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- Tracked churn patterns and highlighted high-risk user groups, enabling targeted retention strategies.

<b>IMDb Dashboard</b>   Power BI, Power Query	2023
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- Reviewed movie and TV performance through KPIs and structured visuals, improving reporting efficiency by 15%.