



DIRECTORATE OF INDUSTRIAL LIAISON

NED University of Engineering & Technology

University Road, Karachi-75270 Pakistan

Tel: (+92-21) 99261261-8, Ext: 2274, 2218, Email: dil@neduet.edu.pk



'SAY NO TO CORRUPTION'

13-08-2026

Business Intelligence Engineer – Fellowship Program 2026 Crescent Care (Pvt.) Ltd. – Pakistan's Leading Healthcare TPA



Location: Karachi



Work Model: Hybrid — 3 days on-site, 2 days remote



Duration: 3 Months



Fellowship Stipend: PKR 75,000 total for the entire fellowship



Employment Type: Full-Time Fellowship

How to Apply

Interested candidates are invited to send their updated CV to **both** email and WhatsApp addresses below:



Primary Email: salman.atique@crescentcare.pk



Secondary Email: sabizintel@gmail.com

WhatsApp: 03233390601

Required Subject Line Format:

"Business Intelligence Engineer" - Fellowship Program 2026 - [Candidate Name] - [University Name] – [Completed/Last Semester] – [Degree Name]

Required Technical Skills

Reporting Technologies

Experience with **one or more** of the following is preferred:

- Jaspersoft Studio / JasperReports
- Eclipse BIRT
- Crystal Reports
- SQL Server Reporting Services (SSRS)
- Apache Superset
- Metabase

Data & Automation

- Python
- Pandas
- NumPy
- Data cleaning
- Data validation
- Data reconciliation
- Report automation
- Scheduled reporting
- REST API data consumption
- Git / GitHub

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Business Intelligence

- Business Intelligence concepts
- Dashboard design principles
- KPI development
- Executive reporting
- Financial reporting
- Operational reporting
- Trend analysis
- Performance metrics
- Data quality management

SQL & Databases

- Strong understanding of SQL
- Complex SQL queries
- Multi-table joins
- Views
- Aggregations and filtering
- Database relationships
- Query troubleshooting
- Basic query performance optimization
- Relational database concepts
- Database design fundamentals
- PostgreSQL, SQL Server, or MySQL

Business / Domain Knowledge

Experience or academic exposure to any of the following is a plus:

- ERP systems
- Finance & Accounting
- Healthcare
- Insurance
- Claims Management
- Procurement
- Inventory
- CRM
- HR / Payroll
- Billing & Payments
- Financial or audit-sensitive data

Nice to Have

- ETL / ELT concepts
- Data Warehousing
- Power Query
- PostgreSQL partitioning / JSONB
- Batch file or EDI data processing
- Event-driven data concepts such as Kafka
- ERP reporting experience



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- Healthcare / Insurance / TPA reporting experience
- Experience with Power BI or Tableau

About the Role

As a **Business Intelligence Engineer**, you will design and develop reporting solutions that support management, finance, operations, healthcare, HR, procurement, and CRM teams.

You will work closely with **Business Analysts, Backend Engineers, Finance professionals, and Healthcare Operations teams** to understand business requirements and translate them into:

Business Requirement → Data Model → SQL → Validation → Report/Dashboard → Business Insight

The ideal candidate is someone who genuinely enjoys working with **SQL and data** and can investigate an unfamiliar database to understand how information is stored and related.

Key Responsibilities

SQL & Database Reporting

- Write complex SQL queries for business and operational reporting.
- Work with multi-table joins, views, aggregations, filters, and calculations.
- Understand database relationships and relational data models.
- Investigate unfamiliar databases and identify the tables required to answer business questions.
- Develop reusable SQL logic for recurring reports and analytics.
- Troubleshoot incorrect or inconsistent query results.
- Perform basic query optimization and performance improvement.
- Work with PostgreSQL, SQL Server, or MySQL databases.

Reporting Development

- Design and develop pixel-perfect, print-ready reports.
- Develop PDF and Excel-based reports for business users.
- Create operational, financial, healthcare, HR, procurement, and CRM reports.
- Develop scheduled and automated reporting processes.
- Build dashboards and interactive analytical views.
- Support reporting through tools such as JasperReports, BIRT, Crystal Reports, SSRS, Superset, or Metabase.

Business Intelligence & Analytics

- Develop KPIs and management dashboards.
- Support executive and operational reporting.
- Analyze trends, performance metrics, and business results.
- Translate business requirements into reporting logic and measurable KPIs.
- Identify anomalies, trends, and data-driven opportunities.
- Help business users understand and interpret reports.

Data Quality & Validation

- Validate data before reports are published.
- Perform data reconciliation between source systems and reports.
- Identify missing, duplicate, inconsistent, or inaccurate data.
- Investigate discrepancies and identify their root causes.
- Validate business rules, calculations, and reporting logic.

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- Maintain documentation of data sources, transformations, assumptions, and KPI definitions.

Automation & Integration

- Automate recurring reporting processes.
 - Use Python, Pandas, and NumPy for reporting and data-processing tasks.
 - Consume data through REST APIs where required.
 - Work with backend engineers to integrate reporting services with the ERP.
 - Use Git/GitHub for reporting development and version control.
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Preferred Qualifications

- Bachelor's degree in **Computer Science, Software Engineering, Data Science, Information Systems, FinTech, Accounting & Finance, Computational Finance**, or a related field.
- Fresh graduates and final-year students are encouraged to apply.
- Academic projects involving SQL, databases, reporting, dashboards, analytics, or business intelligence are highly relevant.
- Candidates with strong SQL and analytical skills but limited professional experience are welcome to apply.



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