

# Muhammad Ahmed

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## EDUCATION

**Virtual University of Pakistan**  
Bachelor of Business Information Technology (BBIT)

**Karachi, Pakistan**  
Expected Graduation: 2029

## WORK EXPERIENCE

### MRP Elite Pvt Ltd

GTO Intern

**Karachi, Pakistan**

April 2025 – Present

- Developed automated **ETL pipelines** to transfer and transform data from **SQL Server to PostgreSQL**, improving cross-platform data accessibility.
- Assisted with **data administration** tasks including user role management, performance tuning, and index optimization.
- Ensured **data integrity** through scheduled backups, validation scripts, and routine audits during system migrations.

### MEGA HUNT

SEO Intern

**Karachi, Pakistan**

August 2023 – November 2023

- Improved on-page and off-page SEO for e-commerce site **pellepellejackets.com**, contributing to a **20% growth in organic traffic**.
- Executed paid ad campaigns on **Google Ads** and **Meta**, enhancing click-through rates via precise keyword targeting and creative optimization.
- Authored **SEO-friendly blog content** and maintained product data in Excel, enhancing product visibility and streamlining content updates.

## PROJECTS

### SQL to PostgreSQL ETL Automation – Python

- Designed a Python-based ETL script to extract data from SQL Server, transform with `pandas`, and load to PostgreSQL using `psycopg2`.
- Implemented batch inserts, error handling, and data validation to ensure **reliable migration** and **minimal downtime**.
- Conducted data validation checks and scheduled backups to maintain database integrity during migration.

### 2D Fighting Game – JavaScript

- Created a lightweight browser-based game with **keyboard-controlled movement**, **collision detection**, and basic animations.
- Practiced DOM manipulation and logic handling using vanilla JavaScript for a responsive gameplay experience.
- Utilized DOM manipulation to render animated effects and simulate attack actions in a responsive game loop.

## KEY SKILLS

### Technical Skills:

- Python:** ETL scripting, `pandas`, data transformation, Excel automation
- SQL:** Query writing, joins, optimization, reporting, and data management
- PostgreSQL & SQL Server:** Database connectivity, migration, and performance tuning
- JavaScript:** DOM manipulation, game logic, interactive features
- Excel:** Pivot Tables, Formulas, Automation, Data Validation

### Soft Skills:

- Strong problem-solving and analytical mindset
- Effective verbal and written communication
- Team-oriented with collaborative work ethic
- Detail-focused with time management strengths

### CORE COMPETENCIES:

- Data Administration & Integrity Management
- ETL Development & Automation
- Performance Optimization & Troubleshooting
- Analytical Thinking & Process Improvement
- Team Collaboration & Communication