

Non-relational (NoSQL) Databases **Hierarchical Databases** Network Databases Database Design and Normalization Fundamental Concepts CRUD Operations Transactions and ACID Properties Data Types and Constraints Indexing Data Modeling Stored Procedures and Triggers Database Indexing Techniques Data Warehousing and ETL Processes Advanced Concepts in Database Programming Distributed Databases Query Language Extensions Big Data Technologies and Integration Backup and Recovery Strategies Database Security **Technical Proficiency and Best** Performance Tuning and Optimization Practices Query Optimization Schema Evolution and Migration

Relational SQL Databases