

MongoDB Agenda Topics

BASIC

- Introduction to MongoDB
- MongoDB Installation and Setup
- Data Modeling and Schema Design
- CRUD Operations (Create, Read, Update, Delete)
- Indexes and Basic Querying
- Aggregation Framework Overview
- Data Import and Export

INTERMEDIATE

- Advanced Querying and Indexing Techniques
- Aggregation Pipeline and Expressions
- Data Validation and Schema Management with Mongoose
- Database Administration (Backup, Restore, and Monitoring)
- Sharding and Horizontal Scaling
- Replication and Failover
- Introduction to MongoDB Security (Authentication and Authorization)

ADVANCED

- Advanced Aggregation Techniques
- Performance Optimization and Index Tuning
- Distributed Transactions
- Advanced Sharding Configuration and Management
- Role-based Access Control (RBAC)
- MongoDB Atlas and Cloud Deployment
- Advanced Security Features and Encryption

- Serverless Applications with MongoDB