



## NTHRYS WORKSHOPS

# Database Integration With Web Applications

### 8:45 AM - 10:15 AM: Session 1: Introduction to Database Integration

Overview of integrating databases with web applications.  
Practical session on setting up a database backend for web applications using PHP and MySQL.

### 10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: REST APIs and Databases

Hands-on workshop on creating REST APIs to interact with databases.  
Practical exercises on building and securing APIs with database backends.

### 12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Real-Time Database Integration

Overview of real-time database integration techniques.  
Case studies on using WebSockets and Firebase for real-time data synchronization.

### **2:30 PM - 2:45 PM: Short Break**

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Scaling Web Applications with Databases**

Exploration of scaling techniques for web applications using databases.

Practical session on load balancing, caching, and database replication for high-traffic websites.

### **4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break**

Last networking opportunity with snacks.

### **4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption**

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

**Certificate Issue**

### **5:30 PM: Workshop Concludes**