

# MERN STACK

Learn from industry experts and grow into a confident, industry-ready professional.

On-the-job Training

One-on-One Mentoring

100% Placement Assistance

Near Infopark

# Voleergo Academy – Powered By **Voleergo Solutions LLP**

Our career-oriented curriculum combines internships, mock interviews, soft skills development, and recognized IT certifications, equipping every learner with the skills and confidence needed to excel in top IT companies in Kochi, Kerala.

## Why Choose Voleergo

Short-Term & Long-Term Training (2–6 Months)

Online & Offline Learning Modes

Gen AI–Integrated Curriculum

Direct Support from Our Developers

One-to-One Mentoring with Industry Experts

Lifetime Placement Assistance

Live Project Exposure

Live Online & Regular Offline Classes

Placement Training



**VOLEERGO**  
ACADEMY LLP

# IT Training & Internship Programs

Full Stack Development

Data Analytics

Software Testing

UI/UX Designing

AI & Data Science

# Course Outline



## FRONT END DEVELOPMENT (React & Next.js)

01 React Core Concepts & Architecture

02 Introduction to Next.js

03 File-Based Routing in Next.js

04 Data Fetching in Next.js

05 Pages and Layouts

06 Styling in Next.js

07 Static Assets & Image Optimization

08 SEO and Metadata

09 Authentication & Authorization

10 State Management

11 Performance Optimization

12 Deployment & Hosting

13 Monitoring & Debugging

14 Project Development & Collaboration

## BACK END DEVELOPMENT (Node.js & Express.js)

01 Web & Backend Fundamentals

02 Introduction to Node.js

03 Node.js Core Modules

04 Asynchronous Programming in Node.js

05 NPM & Project Structure

06

Introduction to Express.js

07

Express.js Routing & Middleware

08

REST API Development with Express

09

Security & Best Practices

10

Backend Project & Integration

## Database (MongoDB)

01

Introduction to NoSQL & Document-Oriented Storage

02

MongoDB Architecture & Ecosystem

03

Installation, Tools & Environment Setup

04

Schema Design & Data Modeling

05

CRUD Operations & Querying

06

Indexing & Performance Optimization

07 Aggregation Framework & Data Processing

08 Replication, Sharding & Scalability

09 Transactions, Consistency & Security

10 MongoDB with Node.js, Cloud & Projects





# Tools & Technologies

MongoDB

Express.js

React.js

Node.js

Git & GitHub

# Certifications That Build Your Future





# Career Opportunities

MERN Stack Developer

Full Stack Developer

JavaScript Developer

Web Application Developer

Software Engineer

# Join Our Team




**Voleergo Academy LLP**

 [www.voleergoacademy.com](http://www.voleergoacademy.com)

**Voleergo Solutions LLP**

 [www.voleergo.com](http://www.voleergo.com)

 **+91 9020 457 594 | 9947 904 061 | 0484-3513749**

 **hr@voleergo.com | academy@voleergo.com**

 **2nd Floor Josh Towers, Civil Line Rd, Padamughal,  
Near Infopark, Kakkanad, Kerala 682030**

 voleergo\_academy | voleergo

 Voleergo Academy LLP | Voleergo Solutions LLP

 Voleergo Solutions LLP

 Voleergo Solutions LLP

**Join Now**

