



PRESENTS

SUMMER TRAINING AND INTERNSHIP PROGRAMS



www.skillifyme.co.in/



skillifyme@outlook.com



OUR SERVICES



**90+ hours
Live Trainings**



**Live Doubt
Solving Session**



**Expert
Sessions**



**3 Minor + 1
Industrial
Project**



**3 months
Recording
Access**



**Elevate Your
Expertise**

**Gain Experience with 15
days industrial projects**

www.skillifyme.co.in/



DEVSECOPS WORKSHOP

WEB FUNDAMENTALS KICKOFF

- START WITH HTML, CSS, AND JAVASCRIPT BASICS.

- HANDS-ON CODING EXERCISES TO CREATE SIMPLE WEB PAGES.

- DEEPER DIVE INTO JAVASCRIPT: DOM MANIPULATION, EVENTS, FUNCTIONS.

- INTRODUCTION TO GIT AND GITHUB.

- BASIC GIT COMMANDS, REPOSITORY SETUP, AND VERSION CONTROL EXERCISES.

- **PROJECT I: BUILD A STATIC WEBSITE (PORTFOLIO OR BLOG) USING HTML, CSS, AND JAVASCRIPT.**

INTRODUCTION TO REACT

- REACT FUNDAMENTALS: COMPONENTS, JSX, PROPS, AND STATE.

- REACT COMPONENT LIFECYCLE AND EVENT HANDLING.

- INTRODUCTION TO REACT ROUTING AND BASIC STATE MANAGEMENT.

- SETTING UP A REACT PROJECT USING CREATE REACT APP.

- **PROJECT II: OUTLINE AND BEGIN CREATING THE FRONT END OF A FULL-STACK APPLICATION (FOR EXAMPLE, A SIMPLE DASHBOARD OR WEATHER APP) USING REACT.**



NODE.JS & EXPRESS FUNDAMENTALS

- INTRODUCTION TO NODE.JS AND NPM.
- BUILDING A BASIC SERVER USING EXPRESS.
- CREATING RESTFUL APIS WITH EXPRESS.
- INTRODUCTION TO DATABASES (SQL/NOSQL) AND CRUD OPERATIONS.
- INTEGRATING NODE.JS WITH A DATABASE (E.G., MONGODB OR POSTGRESQL).
- SETTING UP A REACT PROJECT USING CREATE REACT APP.
- BUILDING AND TESTING API ENDPOINTS WITH DATABASE CONNECTIVITY.

FULL-STACK INTEGRATION

- CONNECTING THE REACT FRONT END WITH THE NODE.JS BACK END.
- MAKING API CALLS FROM REACT USING FETCH/AXIOS.
- HANDLING ASYNCHRONOUS OPERATIONS AND ERROR HANDLING IN FULL-STACK APPS.
- **PROJECT III: INTEGRATE THE FRONT END AND BACK END TO COMPLETE THE FULL-STACK APPLICATION.**



CLOUD DEPLOYMENT

OVERVIEW OF CLOUD SERVICES AND PLATFORMS (AWS, AZURE, GOOGLE CLOUD, OR HEROKU).

DEPLOYING NODE.JS APPLICATIONS TO THE CLOUD.

DEPLOYING REACT APPLICATIONS ON CLOUD PLATFORMS.

ENVIRONMENT VARIABLES, CONFIGURATION MANAGEMENT, AND SCALING.

PROJECT IV: DEPLOY PROJECT 2 TO THE CLOUD.
DELIVERABLE: A LIVE FULL-STACK APPLICATION ACCESSIBLE VIA A PUBLIC URL.

CI/CD INTEGRATION

INTRODUCTION TO CONTINUOUS

INTEGRATION/CONTINUOUS DEPLOYMENT CONCEPTS.

OVERVIEW OF CI/CD TOOLS AND WORKFLOWS (E.G., GITHUB ACTIONS, TRAVIS CI, JENKINS).

BASICS OF AUTOMATED TESTING (UNIT AND INTEGRATION TESTS).

SETTING UP A CI/CD PIPELINE FOR THE FULL-STACK APPLICATION.

HANDS-ON CONFIGURATION OF AUTOMATED BUILD, TEST, AND DEPLOYMENT PROCESSES.

PROJECT V: A CI/CD PIPELINE THAT AUTOMATICALLY TESTS AND DEPLOYS CHANGES.

www.skillifyme.co.in/



ADVANCED TOPICS

ADVANCED REACT PATTERNS (HOOKS, CONTEXT API, AND CUSTOM HOOKS).

ADVANCED NODE.JS CONCEPTS: MIDDLEWARE, ERROR HANDLING, AND LOGGING.

SECURITY BEST PRACTICES FOR WEB APPLICATIONS (AUTHENTICATION, SECURING APIS, AND SAFE CLOUD PRACTICES).

PROJECT VI: BRAINSTORM, OUTLINE, AND WIREFRAME A CAPSTONE PROJECT THAT INTEGRATES ALL LEARNED TOPICS.

CAPSTONE PROJECT DEVELOPMENT & PRESENTATION

INTENSIVE, HANDS-ON DEVELOPMENT OF PROJECT.

REGULAR CHECK-INS, CODE REVIEWS, AND Q&A SESSIONS.

A CLEAR PROJECT PLAN AND INITIAL CODEBASE SETUP FOR THE CAPSTONE PROJECT.

PROJECT VII: FINAL TOUCHES, TESTING, DEBUGGING, AND DEPLOYMENT OF THE CAPSTONE PROJECT.
PRESENTATION: STUDENTS PRESENT THEIR PROJECTS, FOLLOWED BY FEEDBACK AND CODE REVIEW.