

FULL STACK WEB DEVELOPMENT

Build complete, production-ready web applications — from responsive React front-ends to secure APIs, databases and cloud deployment.

PROGRAM SNAPSHOT



React

Front-end

Node.js

Back-end & APIs

MongoDB

Databases



DURATION

4 Months



OUTCOME

Full Stack Developer



LEVEL

Beginner → Pro

About the Full Stack Web Development Program

Become a complete web developer in 4 months. This program covers the modern MERN stack end-to-end — you'll build interactive React interfaces, design REST APIs with Node.js, connect SQL and NoSQL databases, and deploy live applications to the cloud, all through real projects.

4

Months, front-end to deployment

MERN

Modern industry stack

100%

Project-based, build real apps

What you'll be able to do

- ✓ Build interactive UIs with React & hooks
- ✓ Write modern ES6+ JavaScript
- ✓ Create REST APIs with Node.js & Express
- ✓ Secure apps with JWT authentication
- ✓ Model data in MySQL & MongoDB
- ✓ Deploy to Vercel, Netlify & AWS

Career paths after this course

Full Stack Developer

Front-End Developer

Back-End Developer

MERN Developer

Web Developer

API Developer

UI Engineer



WHO IS THIS FOR

Aspiring developers & creators

Perfect for students, graduates and career-switchers who want to build and launch complete web applications from scratch.

✓ Beginner friendly

✓ Weekday & weekend batches

✓ Certificate on completion

Course Curriculum



Front-End with React

Modern user interfaces

MODULE 01
Front-End

- **ES6+:** arrow fns, destructuring
- **Modules** & error handling
- **Async JS:** promises, async/await
- **SPA** & Virtual DOM
- **ReactJS** components & hooks
- **React Router**
- **State** management
- **Responsive** UI design



Back-End & APIs

Server-side development

MODULE 02
Back-End

- **Node.js** & Express.js
- **Server** setup & middleware
- **RESTful APIs** & CRUD
- **Routing** & HTTP methods
- **Auth:** JWT, sessions, cookies
- **bcrypt** & security



Databases

Store & manage data

MODULE 03
Data

- **SQL:** PostgreSQL / MySQL
- **Schema** design
- **Joins** & aggregations
- **MongoDB** & Mongoose
- **Models** & connectivity
- **API + DB** integration



Version Control & Deployment

Ship to production

MODULE 04
DevOps

- **Git** & **GitHub** workflow
- **Branching** & merging
- **Collaboration**
- **Cloud deploy:** Vercel, Netlify
- **Render** · **Railway** · **AWS**
- **Env variables** & config

Tools & technologies you'll use

HTML

CSS

JavaScript

React

Node.js

Express

MongoDB

MySQL

Git

AWS

Why Choose Protech

For three decades Protech Computer Academy has helped students in Belagavi build careers in IT. Here's what sets our Full Stack program apart.



30 Years of Excellence

Established in 1995 — a trusted name in computer education with a proven track record.



Expert Faculty

Learn from industry-experienced trainers who mentor you through real projects, not just theory.



Hands-On & Practical

100% project-based learning on real work so you build a portfolio, not just watch lectures.



Certification & Support

Earn a course certificate on completion, plus counselling, demo classes and career guidance.

Get in Touch

Visit us for a free demo class and talk to our counsellors.

Don't rush to join us...!

ENROLL NOW



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**Opp. Sardar Ground, Govekar Building,
Ground Floor, Kaktives Road, Belagavi**



TIMINGS

Mon-Sat · Morning & Evening batches

