Ministry of Education
Government of India

vidyanjali
(A School Volunteer Programme)

CYBER HOOKS
ACADEMY

Dedicated To Excellence
FULL STACK (MERN)

Session 2025-2026

Introduction

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Welcome to Cyberhooks Academy

At Cyberhooks Academy, we offer expert Full Stack MERN development training to help individuals and businesses build and secure web applications.
Master the essential skills of MongoDB, Express, React, and Node.js to develop dynamic, secure, and scalable applications. Equip yourself with the knowledge to create full-stack solutions and protect your digital world today!

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Modules of the course

- Web Development Foundations

- JavaScript & Backend with Node.js and Express.js

- Databases with MongoDB & Mongoose

- Frontend Development with React.js

- Full-Stack Integration

- Capstone & Job Readiness

- Libraries & Tools

Web Development Foundations

"Our Web Development Foundations course equips you with the essential skills in HTML, CSS, JavaScript, and more, setting you up for success in building dynamic, responsive websites and applications."

HTML5 & Semantic Markup

CSS3: Flexbox, Grid, Media Queries

JavaScript ES6+: Let/Const, Arrow Functions, Promises, Async/Await

DOM Manipulation

CSS Frameworks: Tailwind CSS

JavaScript & Backend with Node.js and Express.js

"Master JavaScript and build powerful backends using Node.js and Express.js to create scalable, efficient web applications."

- Node.js Basics

- Express.js Fundamentals

- Middleware & Routing

- Building RESTful APIs

- Authentication & Authorization
  (JWT, bcrypt)

Databases with MongoDB & Mongoose

MongoDB is a NoSQL database that stores data in flexible, JSON-like documents, and Mongoose is an ODM library that provides a structured way to interact with MongoDB in Node.js applications.

- MongoDB Basics
- Mongoose ODM
- CRUD Operations
- Aggregation & Indexing
- Connecting MongoDB to Express.js

Frontend Development with React.js

React.js is a popular JavaScript library for building user interfaces, allowing developers to create reusable UI components and efficiently update the DOM using a virtual DOM.

- React Components & Props
- State & Lifecycle
- React Hooks (useState, useEffect, useContext)
- React Router for Navigation
- API Calls with Axios & Fetch
- State Management: Context API & Redux

Full-Stack Integration

Full-Stack Integration involves developing both the frontend (React.js) and backend (Node.js, MongoDB) of an application to create a complete web solution.

- Connecting React with Express API

- User Authentication (JWT & bcrypt)

- Deployment with Vercel & Render

- Environment Variables & Security

Capstone & Job Readiness

Capstone & Job Readiness focuses on applying learned skills in real-world projects while preparing for the job market through portfolio building, resume optimization, and interview practice.

- Capstone Project Planning & Execution
- Resume & Portfolio Optimization
- Technical Interview Preparation
- Mock Interviews

Libraries & Tools

Libraries & Tools refer to pre-built collections of code (like React, Lodash) and software utilities (like Git, Webpack) that help developers efficiently build, manage, and optimize applications.

Web Development Foundations

- Tailwind CSS
- Visual Studio Code
- Git & GitHub
- Chrome Developer Tools

Backend Development

- Node.js
- Express.js
- Postman

Databases

- MongoDB Atlas
- Mongoose
- Compass (MongoDB GUI)

Frontend Development

- React.js with vite
- React Router
- Axios
- Redux Toolkit

Our Training Partners

EC - Council

EC-Council offers globally recognized cybersecurity certifications, including CEH, CND, and ECIH, to help professionals advance in the field.

N.S.D.C

NSDC is a government-backed organization in India focused on enhancing skill development and vocational training to boost employability.

Skill India

Skill India is an initiative by the Indian government aimed at providing youth with skills training to enhance employability and drive economic growth.

Nasscom

NASSCOM is India's trade association for the IT and BPO industries, driving growth and innovation.

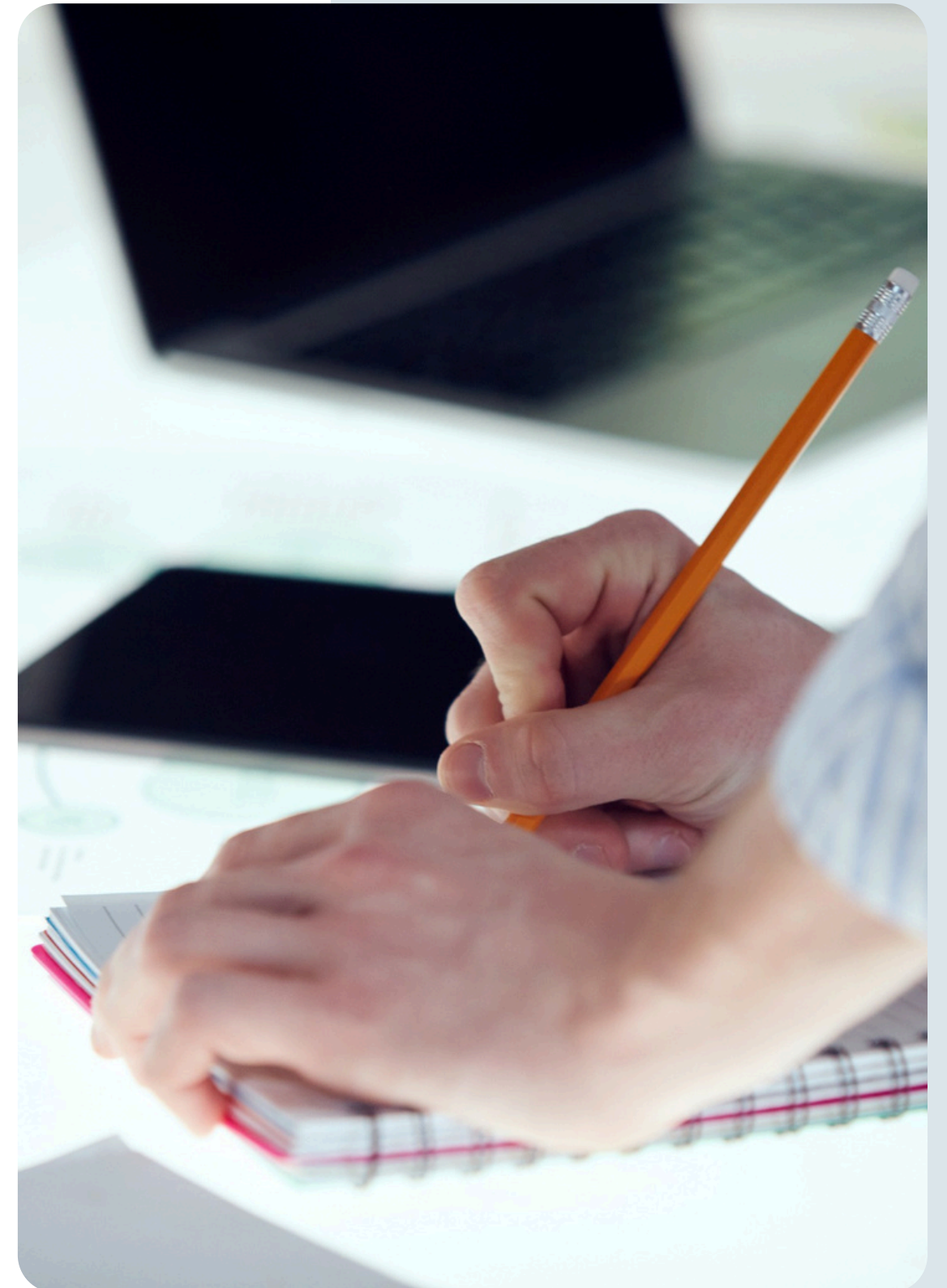# *Job Assistance Training*

Business Communication:

- Business communication involves sharing information within and outside the organization to achieve goals and foster relationships.
- It includes written, verbal, and digital methods, requiring clarity, listening, and adaptability.

Personality Development:

- Personality development involves improving character, behavior, communication skills, and emotional intelligence for personal and professional growth.
- It focuses on building self-confidence, enhancing relationships, and developing a positive mindset.

Interview Training:

- Interview training helps you prepare for job interviews by improving communication, answering techniques, and showcasing your strengths.
- It focuses on building confidence, handling common interview questions, and mastering professional body language

Our Placed Students

Lakshya
Jonwal

Vikram
Rathod

Vansh

Arpan
Dewadi

Sahil
Maan

Anuj

Our Hiring Partners

Get in Touch with us.

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"Get in touch with us today to learn more and take the next step toward success!"

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Join us for Better Future