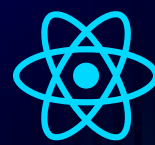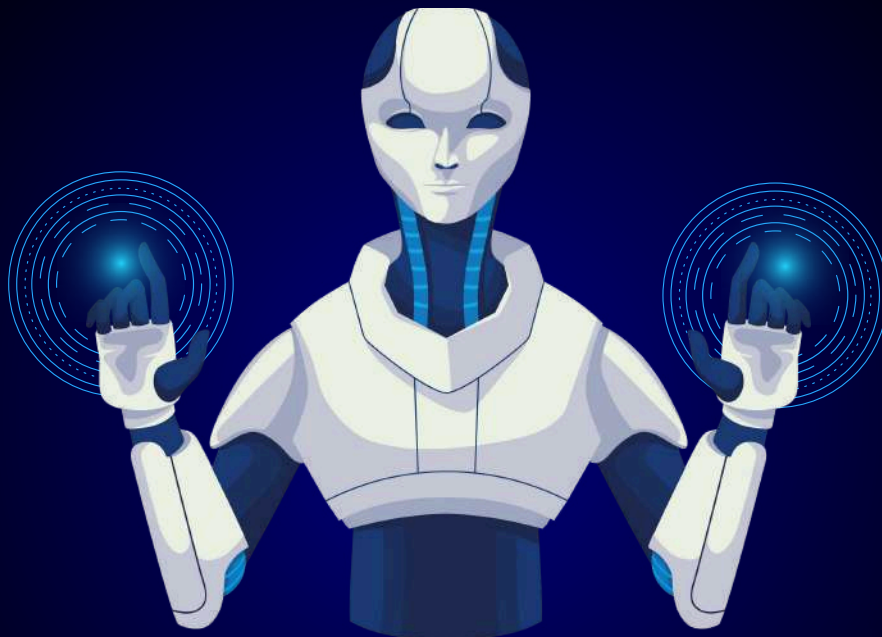# CodeSkilled>_

OUTCOME-DRIVEN CODING COURSES DESIGNED TO FAST-TRACK YOUR CAREER.

Gain in-demand skills, build real-world projects, and get job-ready with expert mentorship and personalized placement support.

CODESKILLED.IN

FROM BEGINNER TO PRO: YOUR CODING JOURNEY STARTS HERE AT CODESKILLED

INDUSTRY-RELEVANT SKILLS
Master MERN Stack, Flutter, React, Java, etc. much needed in todays' tech world.

HANDS-ON PROJECTS:
Learn by doing real-world projects. Gain practical skills that employers seek.
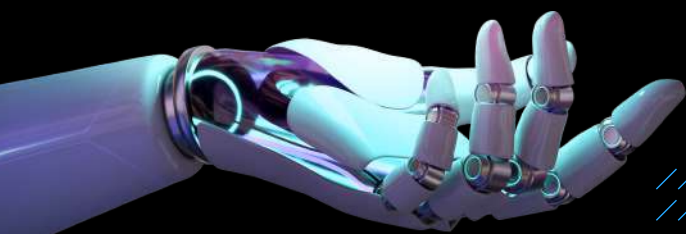
SHOWCASE YOUR SKILLS
Build a portfolio that demonstrates your abilities.

FAST-TRACK YOUR CAREER
Apply your knowledge to practical scenarios. Accelerate your coding journey.
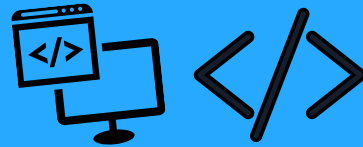
JOB-READY PREPARATION
Graduate with the confidence to land your dream job. Cover the entire development lifecycle.
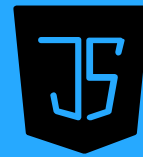
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SOLIDIFY YOUR FUTURE
WITH CODESKILLED
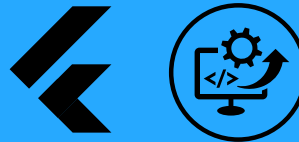
OUR COURSES

MERN
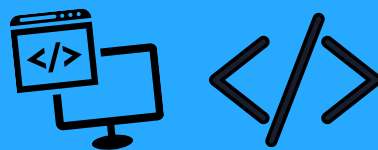
**JAVA FULL STACK
WITH SPRING BOOT**

**FLUTTER MOBILE
APP DEVELOPMENT**

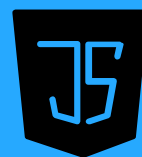**UI/UX WITH REACT**
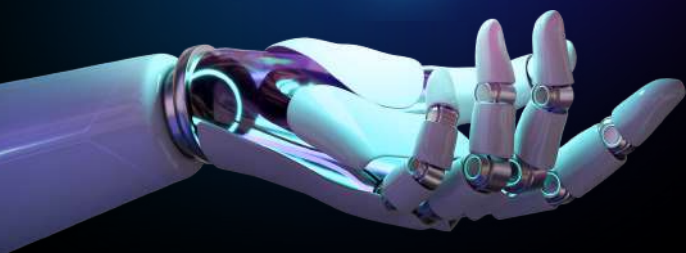
DATA SCIENCE

LARAVEL WITH REACT

WEB DEV FUNDAMENTALS

MEAN FULL STACK

MERN STACK DEVELOPMENT COURSE CURRICULUM

JavaScript

1. Fundamentals of JavaScript
2. Operators in JavaScript
3. Type Conversion
4. Conditions and Loops
5. Functions in JavaScript
6. Arrays and Objects
7. Asynchronous JavaScript: Callbacks, Promises, Async/Await
8. Error Handling and Debugging

HTML & CSS

1. HTML Basics & Semantic Elements
2. CSS Fundamentals & Box Model
3. Flexbox & CSS Grid
4. Responsive Design Principles
5. CSS Animations & Transitions
6. CSS Preprocessors (SASS)
7. Cross-browser Compatibility

React.js

1. React Components and JSX
2. State and Props
3. Handling Events
4. React Router for Single Page Applications
5. Forms and Controlled Components
6. Hooks: useState, useEffect, useContext
7. Redux for State Management
8. Optimizing React Applications

Node.js & Express.js

1. Node.js Fundamentals
2. Creating RESTful APIs with Express
3. Middleware in Express.js
4. Authentication and Authorization
5. Working with Databases: MongoDB
6. Error Handling and Logging
7. Deploying Node.js Applications.

MongoDB

1. Introduction to NoSQL Databases
2. CRUD Operations with MongoDB
3. Mongoose for Data Modeling
4. Aggregation Framework
5. Indexing & Performance Tuning
6. Database Security Best Practices

Version Control (Git)

1. Git Basics and Workflow
2. Branching and Merging
3. Collaborative Development with GitHub
4. Git Commands and Best Practices

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PROJECTS

MERN

MINOR PROJECT 1:
Build a back-end system to manage books, authors, and users with MongoDB and Express.js.

MINOR PROJECT 2:
Develop a React-based shopping cart with integration to Express.js APIs.

MINOR PROJECT 3:
Create a full-stack blogging platform with user authentication and dynamic content.

MAJOR PROJECT:
Build a complete e-commerce platform with user registration, shopping cart, and payment integration using the MERN stack.

MEAN STACK DEVELOPMENT COURSE CURRICULUM

JavaScript

1. Fundamentals of JavaScript
2. Operators in JavaScript
3. Type Conversion
4. Conditions and Loops
5. Functions in JavaScript
6. Arrays and Objects
7. Asynchronous JavaScript: Callbacks, Promises, Async/Await
8. Error Handling and Debugging

HTML & CSS

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2. CSS Fundamentals & Box Model
3. Flexbox & CSS Grid
4. Responsive Design Principles
5. CSS Animations & Transitions
6. CSS Preprocessors (SASS)
7. Cross-browser Compatibility

Angular

1. Angular Components
2. State and Props
3. Handling Events
4. Angular Router for Single Page Applications
5. Forms and Controlled Components
6. Services
7. State Management
8. Optimizing Angular Applications

Node.js & Express.js

1. Node.js Fundamentals
2. Creating RESTful APIs with Express
3. Middleware in Express.js
4. Authentication and Authorization
5. Working with Databases: MongoDB
6. Error Handling and Logging
7. Deploying Node.js Applications.

MongoDB

1. Introduction to NoSQL Databases
2. CRUD Operations with MongoDB
3. Mongoose for Data Modeling
4. Aggregation Framework
5. Indexing & Performance Tuning
6. Database Security Best Practices
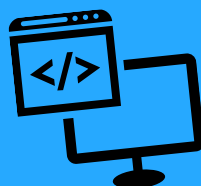
Version Control (Git)

1. Git Basics and Workflow
2. Branching and Merging
3. Collaborative Development with GitHub
4. Git Commands and Best Practices

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PROJECTS

MEAN FULL STACK

MINOR PROJECT 1:
Task Management System

MINOR PROJECT 2:
Blogging Platform

MINOR PROJECT 3:
E-Commerce Platform

MAJOR PROJECT :
Event Booking Platform

LARAVEL + REACT FULL STACK DEVELOPMENT

JavaScript

1. Fundamentals of JavaScript
2. Operators in JavaScript
3. Type Conversion
4. Conditions and Loops
5. Functions in JavaScript
6. Arrays and Objects
7. Asynchronous JavaScript: Callbacks, Promises, Async/Await
8. Error Handling and Debugging

HTML & CSS

1. HTML Basics & Semantic Elements
2. CSS Fundamentals & Box Model
3. Flexbox & CSS Grid
4. Responsive Design Principles
5. CSS Animations & Transitions
6. CSS Preprocessors (SASS)
7. Cross-browser Compatibility

React.js

1. React Components and JSX
2. State and Props
3. Handling Events
4. React Router for Single Page Applications
5. Forms and Controlled Components
6. Hooks: useState, useEffect, useContext
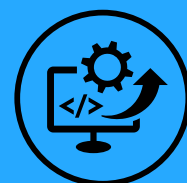7. Redux for State Management
8. Optimizing React Applications

Laravel

1. PHP Fundamentals
2. Creating RESTful APIs with Laravel
3. Middleware in Laravel
4. Authentication and Authorization
5. Working with Databases: MySQL
6. Error Handling and Logging
7. Deploying Laravel Applications.

PROJECTS

LARAVEL FULL STACK

MINOR PROJECT 1:
Blog Platform

MINOR PROJECT 2:
Task Management System

MINOR PROJECT 3:
E-Commerce Platform

MAJOR PROJECT :
Event Booking Platform

UI/UX WITH REACT

HTML & CSS

1. HTML Semantic Elements
2. CSS Fundamentals & Box Model
3. CSS Grid & Flexbox
4. Responsive Design Principles
5. CSS Variables & Animations

Design Fundamentals

1. Color Theory
2. Typography & Layout
3. Design Systems
4. Accessibility Best Practices

Figma & Prototyping

1. Introduction to Figma
2. Creating Wireframes
3. Prototyping Interactive UI
4. Collaboration in Figma

React.js

1. React Component Structure
2. State Management
3. React Router for Navigation
4. Hooks: useState, useEffect
5. Forms & Validation in React

Projects

1. Minor Project 1: Personal Portfolio Website
2. Minor Project 2: Multi-Step Form with Advanced Validation
3. Minor Project 3: E-commerce Product Page with State Management
4. Major Project: Data Visualization Dashboard

UI Frameworks & Libraries

1. Material UI
2. Styled Components
3. Tailwind CSS

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PROJECTS

UI/UX WITH REACT

MINOR PROJECT 1:
Personal Portfolio Website

MINOR PROJECT 2:
Weather Dashboard

MINOR PROJECT 3:
E-Commerce Product Prototype

MAJOR PROJECT:
Event Booking Application

JAVA FULL STACK DEVELOPMENT WITH SPRINGBOOT

Java Basics

1. Core Java Fundamentals
2. OOPs Concepts
3. Collections & Generics
4. Exception Handling
5. Multi-threading & Concurrency
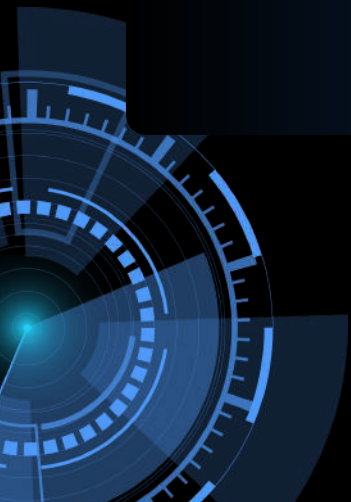
Database

1. SQL Fundamentals
2. Working with MySQL/PostgreSQL
3. Hibernate ORM Basics
4. JPA (Java Persistence API)

Spring Framework

1. Introduction to Spring Boot
2. Spring Boot REST API Development
3. Spring Data JPA
4. Spring Security & JWT
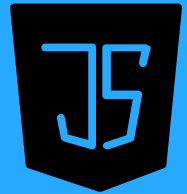
Frontend Technologies (React)

1. JavaScript & ES6+
2. React Component Structure
3. React Router & State Management
4. Fetching Data with Axios/Fetch

PROJECTS

JAVA FULL STACK WITH SPRING BOOT

MINOR PROJECT 1:
Student Management System.

MINOR PROJECT 2:
Book Management System API.

MINOR PROJECT 3:
Shopping Cart Application

MAJOR PROJECT :
Event Booking Platform

FLUTTER MOBILE APP DEVELOPMENT

Dart Programming

1. Dart Syntax & Basics
2. Functions, Classes & OOP Concepts
3. Async Programming with Future & Stream

Flutter Basics

1. Widget Tree & State Management
2. Handling User Input
3. Navigation & Routing in Flutter
4. UI Design & Layouts

Advanced Flutter

1. Working with APIs (HTTP, REST)
2. Firebase Integration for Authentication
3. Database (SQLite & Firebase)
4. Animations in Flutter

Projects

1. Minor Project 1: Expense Tracker App
2. Minor Project 2: Food Delivery App
3. Minor Project 3: Social Media Feed
4. Major Project: Capstone Project: E-commerce App

PROJECTS

FLUTTER MOBILE APP DEVELOPMENT

MINOR PROJECT 1:
Expense Tracker App.

MINOR PROJECT 2:
Food Delivery App.

MINOR PROJECT 3:
Social Media Feed.

MAJOR PROJECT :
Capstone Project: E-commerce App.

DATA SCIENCE

Python

1. Python Syntax & Basics
2. Functions, Classes & OOP Concepts
3. Numpy, Pandas, DataFrames and Series
4. Matplotlib and Seaborn

SQL

1. SQL Basics
2. Joins and functions
3. Data manipulation
4. Advance SQL queries

Big Data

1. Big Data Basics
2. Data Storage Technologies
3. HDFS
4. Distributed file system and data queries
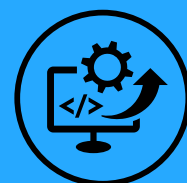
Spark & Databricks

1. Spark Fundamentals
2. Spark optimization
3. MLlib model for classification
4. Databricks basics
5. AWS S3 with Databricks
6. Predictive model pipeline with Databricks

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PROJECTS

DATA SCIENCE

▶ **MINOR PROJECT 1:**
Data Cleaning Pipeline

▶ **MINOR PROJECT 2:**
Sales Analysis Dashboard

▶ **MINOR PROJECT 3:**
Big Data ETL Workflow

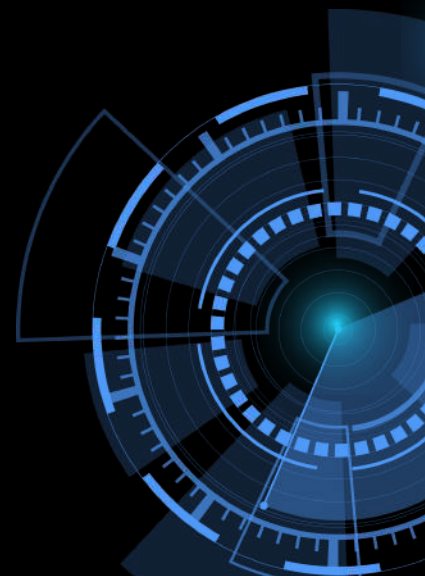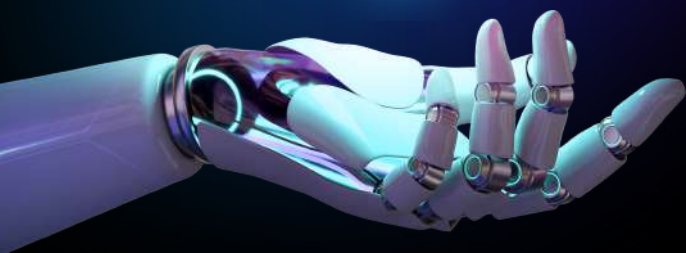▶ **MAJOR PROJECT :**
Predictive Model Pipeline

SESSIONS

▶ **Total Hours**
200 hours (144 hours live + 56 hours recorded, quizzes, and assignments)

▶ **Live Sessions**
72 sessions (2 hours each)

▶ **Projects**
3 minor projects, 1 major project (industry-level)

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CONTACT US

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📞 +91 98311 41355

🌐 codeskilled.in

✉️ admissions@codeskilled.in