



IDEO
COLLEGE
OF TECHNOLOGY



We Are Offering a Complete Course Of
Mern Stack With Ai
Course Duration :
06 Months



No:01 Office, 3rd Floor,
Arfa Technology Park Lahore



0303 5555130
0300 8642269



About Us

Step Into the Future with IDEOCOLLEGE
Dream big, skill up, and lead the digital revolution. At IDEOCOLLEGE, we don't just teach Internet Marketing - we empower you with the future: AI, Cybersecurity, and Blockchain. Join top-level mentors and unlock real career opportunities in the booming IT industry. Hundreds have transformed their lives - now it's your turn. Secure your seat today and shape a smarter tomorrow.



100+
IT COURSE



80+
INSTRUCTORS



80,000+
STUDENTS CONNECTED



Development



Marketing



Networking &
Cyber Security



Art & Design



Multimedia



Business & Accounts



135+
PARTNERS



Online Classes





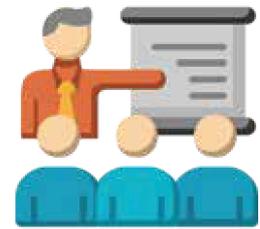
SALIENT FEATURES



Ideoversity Certificate



Follow-Up Sessions



Practical learning



Students Portal



Virtual Internships



Expert Mentorship



Lifetime Support



Career Counseling





MERN STACK WITH AI

HTML

- HTML Document Structure & Doctype
- Semantic Markups: Header, Nav, Main, Footer, Section, Article
- Headings, Paragraphs, and Text Formatting Tags
- Lists (Ordered, Unordered, Definition Lists)
- Tables and Table Styling
- Links and Navigation (Internal, External, Anchors)
- Images, SVG, Video & Audio Embedding
- Forms, Input Types, Labels & Form Validation
- HTML5 APIs: Canvas, Geolocation, Web Storage, Drag & Dro
- Meta Tags, Favicon, and SEO Optimization
- Accessibility (Alt Texts, ARIA Roles, Keyboard Navigation)
- iFrames & Embedded Content

CSS

- Selectors, Specificity, Box Model
- Colors, Fonts, Units (px, rem, vh, vw)
- Flexbox, Grid, Responsive Layout
- Pseudo-Classes & Pseudo-Elements
- Media Queries, Responsive Design
- Transitions, Transforms & Animations
- Advanced Effects: Glassmorphism, Neumorphism, Parallax
- Dark Mode & Theme Switching
- Styling Frameworks: Bootstrap, Tailwind CSS, Chakra UI

Javascript

- Syntax, Variables, Data Types, Operators
- Functions, Scope, Closures
- Arrays, Objects, Destructuring & Spread Operators
- Control Flow (Loops, Conditionals, Switch)





- DOM Manipulation, Events & Event Delegation
- Asynchronous JavaScript: Promises, async/await, Callbacks
- API Calls with Fetch & Axios
- Error Handling & Debugging
- ES6+ Features (Modules, Arrow Functions, Classes)
- Higher-Order Functions & Functional Programming
- Object-Oriented JavaScript & Prototypes
- Regular Expressions & Form Validation
- LocalStorage, SessionStorage
- Web APIs: Canvas, Web Speech, WebRTC, Notifications
- Working with JSON & REST APIs
- AI Integrations: Google Gemini API, Open AI etc

Git & GitHub

- Version Control with Git (init, add, commit, log)
- Branching, Merging, Conflict Resolution
- Using GitHub for Project Hosting & Collaboration
- Working with GitHub Projects, Issues, and Actions
- CI/CD Integration with GitHub Workflows
- Github web client and Github Desktop

React JS - (Version 19+)

- React Fundamentals (Components, JSX, Props)
- State & Lifecycle (Hooks: useState, useEffect)
- React Router: Routing, Navigation, Parameters
- Context API & Redux for State Management
- Controlled & Uncontrolled Components
- Styling in React: Tailwind, Chakra UI, Styled Components
- Working with APIs & Async Data (Axios, Fetch)
- Forms, Validation & Custom Hooks





- Code Splitting, Lazy Loading & Optimization
- React Admin Templates: MUI Admin, Shadcn, Dashboard Kit
- Integrating Gemini / OpenAI APIs in React Apps
- Authentication using Firebase & JWT
- Package Managers: NPM, Yarn, pnpm, bun

Next JS - (Version 16+)

- Pages, Layouts, and Routing (Static + Dynamic)
- SSR, SSG, ISR — Data Fetching Strategies
- API Routes and Middleware
- Authentication with Firebase Auth
- Full-stack Apps with Prisma + MongoDB
- Styling with Tailwind, Chakra UI, Sass & Shadcn
- Advanced Routing, Middleware, Edge Functions
- SEO, Meta Tags & Image Optimization
- File Uploads, Form Handling & Validation
- Performance Optimization (Caching, Lazy Loading)
- CMS Integrations (Sanity, Strapi, Contentful)
- AWS SDK, S3, Cognito Integration in Next.js
- Deployment on Vercel, AWS, or Railway
- Package manager: NPM, Yarn, pnpm, bun

Node.js and Express.js

- Node.js Fundamentals (fs, path, events)
- Express.js Routing & Middleware
- Building RESTful APIs & CRUD Operations
- Authentication & Authorization (JWT, OAuth2)
- File Uploads (Multer) & CORS Handling
- Realtime Apps with WebSockets & Socket.IO
- Integration with MongoDB, Mongoose





- Role-Based Access Control & API Security (Helmet, Rate Limiting)
- Payment Gateway Integration (Stripe, PayPal)
- Logging & Analytics Monitoring
- Testing APIs with Postma
- Server Performance & Error Handling
- Cloud Deployment: Railway, Render, AWS EC2, Heroku
- Package Manager: NPM, Yarn, pnpm, bun

AWS and Cloud Computing

- AWS Core Services: EC2, S3, ECR, ECS, Lambda, RDS, CloudFront
- Serverless: AWS Lambda, DynamoDB, API Gateway
- CI/CD Pipelines: GitHub Actions, CodePipeline
- Docker & Containerization
- Monitoring: AWS CloudWatch, New Relic
- Load Balancing & Auto Scaling
- Full-stack Deployment (Next.js + Node.js on AWS)
- Google Firebase & Cloud Functions

Google Dialogflow & Conversational Agent

- Introduction to Conversational AI
- Google Dialogflow Overview (Conversational, CX & ES versions)
- Creating Intents, Entities, and Contexts
- Designing Conversational Flows & Responses
- Fulfillment with Webhooks (Node.js Integration)
- Connecting Dialogflow with Databases (MongoDB)
- Handling Session State & User Data
- Building Custom Conversational Agents
- Integrating Chatbots with Websites or React Frontend
- Testing, Debugging & Improving Dialogflow Agents
- Playbooks (with LLM) ,Tools & Prebuilt Use Cases





Business Development & Freelancing

- LinkedIn Profile Optimization & Personal Branding
- Fiverr & Upwork Strategy (Gigs, Proposals, Pricing)
- Cold Emailing & Client Handling Techniques
- Portfolio Building (GitHub, LinkedIn, Personal Website)
- Handling Payments, Contracts & Invoices (Stripe, Payoneer, Wise)
- Passive Income Models: Productized Services, Courses, eBooks
- Building Upwork Agency & Scaling Freelance Career

Projects

- 1. Personal Portfolio Website (HTML, CSS, JS)
- 2. Responsive Landing Page with Animations (CSS + JS)
- 3. To-Do App (React + LocalStorage)
- 4. Weather App with API Integration (React + JS)
- 5. Spotify Clone (React + REST APIs)
- 6. YouTube Clone (React + Node.js)
- 7. WhatsApp Clone (React + Socket.IO + Node.js)
- 8. Admin Dashboard (Next.js + MongoDB + Prisma)
- 9. E-Commerce Store (Next.js + Stripe Payments)
- 10. AI Chatbot Widget (JavaScript + Dialogflow)
- 11. AI Helpdesk / FAQ Assistant (Dialogflow + Node.js)
- 12. Realtime Chat App (React + Node.js + Socket.IO)
- 13. Cloud Deployed App (AWS EC2 / Vercel / Firebase)
- 14. Full Stack AI-Integrated Web App (Next.js + AI APIs)

Career & Professions

- Full Stack MERN Developer
- Frontend Developer (React / Next.js)
- Backend Developer (Node.js / Express.js)
- JavaScript Developer (Frontend + Backend)



Instructor Profile

Zeeshan Ali (ZA)

Project Lead & Practical Technologist — **P2PClouds**

Zeeshan Ali is a technologist with professional experience across **Pakistan, the USA, and the Middle East**. He specializes in **AI, Blockchain, Cloud Computing, Web Development, and Mobile App Solutions**, with deep hands-on expertise in **Machine Learning, Generative AI, NLP, and AI Agents**.



At P2PClouds, he leads cross-functional teams from **strategy to secure deployment**, focusing on **AI-driven automation, smart contracts, and decentralized applications (DApps)**.

As an Instructor at **NexSkill** and **Ideoversity**, he mentors future developers in **AI, Blockchain, Cloud, Web, and Mobile technologies**.

Zeeshan collaborates globally with **C-suite executives and innovation teams**, driving growth in **AI + Blockchain ecosystems**.

LinkedIn: [linkedin.com/in/zeeshan-ali-dev](https://www.linkedin.com/in/zeeshan-ali-dev)

GitHub: github.com/zeeshanali90233

Website: zeeshan.p2pclouds.net





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BE A PART OF BIGGEST

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About Us

80,000+ Alumni :: 100+ Courses :: 85+ MOU Signed
100+ Professional Instructors :: Online Trainings, LMS
JOB & Internship Opportunity

Head Office: No: 02 Office, 3rd Floor, 1 rfa Technology Park Lahore.
Faisal Town Branch: Maulana Shaukat Ali Rd Plot 941 Block C
Faisal Town, Lahore.



No:01 Office, 3rd Floor,
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- AI Chatbot Developer (Dialogflow, Gemini, AI Studio)
- Conversational AI Engineer
- Web Application Developer (MERN Stack)
- API Developer & Integrator
- Firebase / AWS Cloud Developer
- UI Developer (Tailwind, Chakra, React)
- Next.js Full Stack Engineer
- AI Integration Specialist (Gemini / OpenAI / Dialogflow)
- Freelance Web Developer / Consultant
- Software Engineer (Full Stack JavaScript)
- Cloud & Deployment Engineer (AWS / Firebase)
- Product Developer (SaaS / Web Apps)
- Technical Project Lead / Junior Architect

