IMPACTEERS
FUTUREJOBS

AI-NATIVE ENGINEERING CERTIFICATION · COHORT 01

AI-Native MERN Full-Stack Engineer Program

Six months, weekend-live. MERN engineering, AI engineering and interview-ready DSA — built to produce engineers who work fluently with Claude, Cursor and the modern AI toolchain, and can prove it in shipped, tested, defended software.

AI-NATIVE FROM SPRINT 01 / 110+ DSA PROBLEMS / PLACEMENT FROM WEEK 13

24	48	240	36
WEEKS	LIVE SESSIONS	LEARNING HOURS	PORTFOLIO BUILDS

01 / THE PROGRAMME

Built for people who already work, and want to work as engineers.

24 weeks	0–5 yrs	10–15 hrs	Week 13
DURATION · 18 SPRINTS	EARLY-CAREER DEVELOPERS	PER WEEK	PLACEMENT BEGINS

60% LIVE · 144 HRS | 40% SELF-PACED · 96 HRS

240 STRUCTURED HOURS · MON–FRI SELF-PACED · SAT & SUN LIVE STUDIOS, 3 HOURS EACH

01

Every week culminates in tangible outcomes

Demonstrable progress every week — a quiz, a code submission, an assignment or a project milestone, reviewed rather than marked present.

02

Work compounds, it doesn't reset

Thirty-six implementation projects, seven of them major milestones. Most extend the same repository rather than starting over.

03

Placement from Week 13

Résumé, profile and interview work runs alongside the build for the final three months — not bolted on at the end.

04

Reviewed, not just marked

Eighteen sprint reviews, five DSA checkpoints, three panel mock interviews and a capstone defended live.

02 / THE STACK

The technologies you will learn to write.



MongoDB

DATA



Express.js

APIS



React

INTERFACE



Node.js

RUNTIME

FOUNDATIONS	HTML5 · CSS3 · Flexbox & Grid · Accessibility · JavaScript ES6+ · TypeScript · Git & GitHub
FRONTEND	React Hooks · React Router · Context API · Custom hooks · Component testing · Performance
BACKEND & DATA	REST APIs · Middleware · Layered architecture · Swagger/OpenAPI · Mongoose · Indexes · JWT auth · Roles
ENGINEERING	Unit & integration testing · Clean code · Docker · GitHub Actions CI/CD · Cloud deployment · Monitoring
AI & DSA TRACKS	GenAI fundamentals · AI-assisted coding · RAG · MCP · AI agents · Responsible AI · progressive DSA

The AI tools you will work in, every sprint.

Tools arrive when a project needs them, never as a standalone module. Each carries a depth code for the independence you are expected to reach.



Claude

MASTERY
SPRINT 01



Claude Code

MASTERY
SPRINT 08



OpenAI API

HANDS-ON
SPRINT 10



MCP

HANDS-ON
SPRINT 10

ASSISTANTS & IDES	Claude · Claude Code · Cursor · GitHub Copilot · Windsurf, Cline and Continue.dev in lab
MODELS & RUNTIMES	Anthropic API · OpenAI API · Google Gemini · Ollama and LM Studio for local inference · Hugging Face
FRAMEWORKS & PATTERNS	Vercel AI SDK · Zod · Model Context Protocol · LangChain.js and LlamaIndex.TS · BullMQ and Redis · n8n
RETRIEVAL & EVALUATION	MongoDB Atlas Vector Search · Pinecone · Chroma and Qdrant · embedding models · Promptfoo · Langfuse and LangSmith
QUALITY & REVIEW	Vitest, Jest and Playwright · CodeRabbit · Snyk and Dependabot · Perplexity for source-verified research

AI USAGE CHARTER

Generated code is untrusted until reviewed, tested, understood and disclosed. Every AI-Native Lab requires one documented rejection with written reasoning.

Four technologies, one application, four things a hiring manager asks about.



MongoDB

THE DATA LAYER

IN THE PROGRAMME

Model collections and documents, write schemas with Mongoose, query and index them from Sprint 12 and again inside the capstone.

IN THE JOB

Interviews open with data: how you shaped the model, why the index exists, what happens when the collection grows.



Express.js

THE API LAYER

IN THE PROGRAMME

Build CRUD REST APIs with routes, middleware and error handling, then refactor to a layered, documented service.

IN THE JOB

Almost every backend brief is an API brief. This is the code reviewers read line by line.



React

THE INTERFACE

IN THE PROGRAMME

Components, hooks, routing and state from Sprint 06, tested and performance-tuned by Sprint 08.

IN THE JOB

The fastest route to a first offer — frontend roles hire on React the moment you can show a working, tested app.



Node.js

THE RUNTIME

IN THE PROGRAMME

Modules, npm, environment configuration and services — the ground your API and tooling sit on.

IN THE JOB

What makes you full-stack rather than frontend-only: one language across the whole application.

PUT TOGETHER

The four are taught separately, then integrated from Sprint 15 onward — Docker, CI/CD and cloud deployment turn them into something live you can hand over a link to.

Twenty-four weeks, three phases, eighteen sprints.



PARALLEL TRACKS · WEEKS 3–24

Participants can pursue a parallel Data Structures & Algorithms track alongside the core program, and an AI-enabled engineering track from prompting through RAG and agents.

S01–04 W1–5	**Web foundations, responsive UI and JavaScript** Semantic HTML, design systems, logic, DOM, async and browser apps	Milestone 1 · DSA L1 opens
S05–06 W6–8	**TypeScript and React foundations** Strict typing, runtime validation, components, hooks, Composer workflows	Milestone 2
S07–09 W9–12	**Forms, state, testing and frontend capstone** Routing, data flow, accessibility, performance, deployed case study	Milestone 3 · frontend gate
S10–12 W13–16	**Node, API architecture and MongoDB** Typed REST, layered refactor, OpenAPI, data modelling, indexes	Milestone 4 · placement begins
S13–15 W17–20	**Security, production workflows and MERN integration** Auth, Redis, real-time, end-to-end journeys, integration tests	Milestone 5 · MERN beta
S16–18 W21–24	**Containers, CI/CD, capstone and career** Docker, cloud release, observability, responsible AI, panel defence	Milestones 6–7 · capstone

06 / THE WEEK

Weekdays prepare you. Weekends put you in front of an engineer.

MON	TUE	WED	THU	FRI	SAT · 3H	SUN · 3H
Concept module	Coding practice	Quiz + debugging	Assignment	Revision	Live coding & guided lab	Workshop, project, Q&A

Weekday modules build the concept. Weekend sessions are reserved for live coding, guided labs, debugging and architecture — the things worth an instructor's time.

IF YOU FALL BEHIND

Low scores or missed submissions trigger a remedial module and mentor support within the week — not a note at the end of the month.

THRESHOLDS ARE PUBLISHED

Composite 70/100 minimum · capstone 6/10 with no dimension below 5 · 80% live studio attendance · all five DSA checkpoints attempted.

HOW THE FINAL SCORE IS BUILT



25% Thirty-six implementation projects

25% Seven major milestone projects

20% Industry capstone & presentation

15% DSA checkpoints & mock interviews

10% Studio participation & sprint reviews

5% Self-paced completion & quizzes

07 / OUTCOMES

A portfolio, a defended capstone, and interview practice behind you.

Production-style AI-native MERN application, deployed, tested and documented

GitHub history of thirty-six reviewed builds and eighteen sprint reviews

Capstone defense in front of a panel, with written feedback

Three panel mock interviews, résumé and profile aligned to role

Placement opens at Week 13, once the frontend gate is passed. Full-stack readiness arrives with the capstone.

PLACEMENT SUPPORT · FROM WEEK 13

Career preparation

Résumé, LinkedIn and GitHub reworked against real job descriptions

Interview readiness

Mock technical, DSA and behavioural rounds with written feedback

Employer engagement

Interview opportunities shared through the Impacteers hiring network

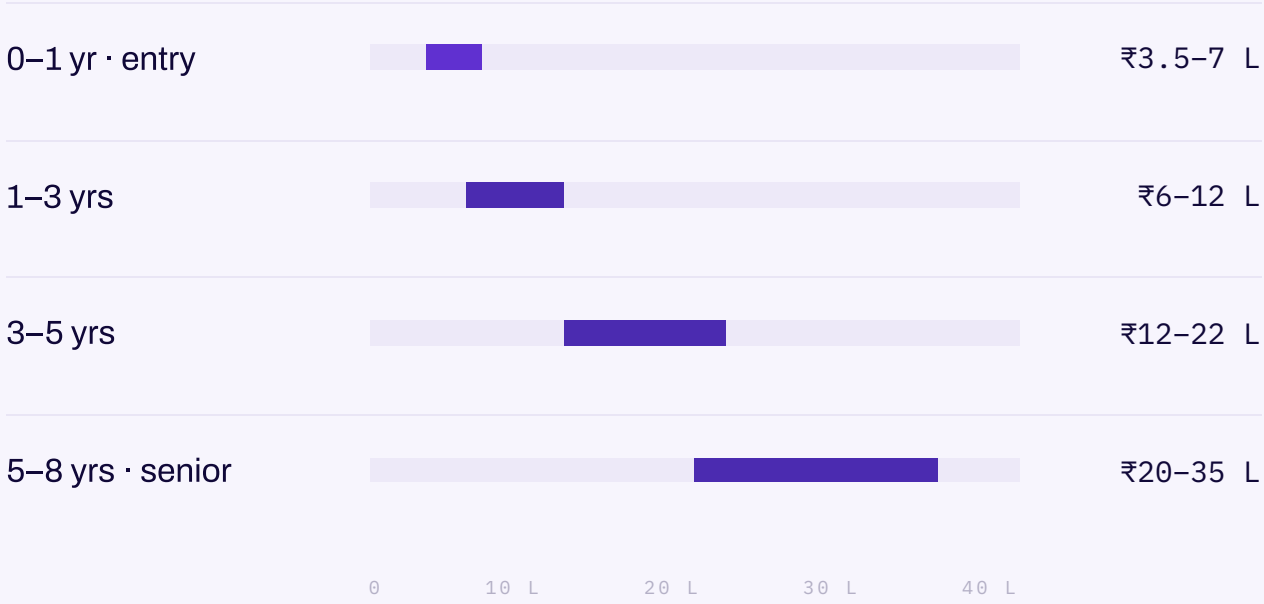
Placement assistance

An advisor stays with you through applications and offer conversations

What the MERN market pays in India.

Full-stack JavaScript remains one of the highest-volume hiring categories in Indian product and services firms. Ranges are annual CTC benchmarks.

BY EXPERIENCE · MERN / FULL-STACK JAVASCRIPT



ENTRY ROLES TARGETED	RANGE	WHAT MOVES YOUR OFFER UP	EFFECT
Frontend / React developer	₹4–7 L	Product vs. services firm	1.4–1.8×
Junior full-stack (MERN)	₹4.5–8 L	TypeScript + testing	+15–25%
Node.js / backend dev	₹5–9 L	Cloud & CI/CD exposure	+10–20%
Freelance / contract	₹800–2,500/hr	DSA interview rounds	Tier-1

Indicative India market benchmarks for 2025–26; ranges vary by city, company type and interview performance.

09 / ENROL

₹5,000 holds your seat. The balance once you start.

PROGRAM FEE

₹95,000 ~~₹1,20,000~~

SAVE ₹25,000 · EARLY COHORT

Registration fee	₹5,000
Post-registration fee	₹90,000

EMI options available on the balance. Covers all 24 weeks, 48 live studios, mentor hours, code reviews, placement support and certification. Taxes as applicable.

WHAT'S INCLUDED

- 48 live weekend studios
- Thirty-six builds, seven major milestones
- DSA track: 110+ problems, five checkpoints
- AI toolchain labs with disclosure discipline
- Three panel mock interviews
- Certification on completion

STEP 1

Apply online at futurejobs.impacteers.com

STEP 2

Aptitude and motivation conversation with an advisor

STEP 3

Confirm your seat — batches capped at 30 learners

TALK TO AN ADVISOR

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Curriculum reviewed by subject-matter experts, 2026.