

# INDUSTRY COHORT 1.0

GenAI Launchpad

## Building the Next Generation of **AI-Ready** Developers

Peer-powered learning. Real-world exposure. Industry-backed outcomes.

GenAI Launchpad

# About the Cohort

Internspirit's 16-week Next.js + GenAI cohort is designed to make you industry-ready by combining technical depth with real-world experience. From full stack development to cutting-edge AI tools, students will be trained to build products that solve actual industry problems.

You'll learn through:

- A peer-to-peer model for solidifying your fundamentals
- Sessions from top industry professionals to teach real-world systems
- Hands-on projects, tech mentorship & guided career growth

## Industry Partners

We're proud to be supported by leading companies including:



*and more...*



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# Admission process for the Program.

We're looking for committed and curious learners ready to push their limits.

## 01 Join the WhatsApp Group ( before 25<sup>th</sup> July )

Stay informed about cohort updates and get direct access to our team and community.

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## 02 Attend Live Info Session – 25th July

Get a full walkthrough of the cohort, the outcomes, and the process.

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## 03 Register for the Cohort

Fill in your details through our official registration form.

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## 04 Cohort Fit Check

We'll evaluate your interest, goals, and learning intent

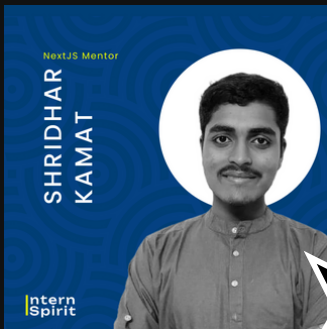
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## 05 Final Selection

30 students will be shortlisted to join the premium community and get access to everything the cohort offers.

# Who will Teach?

## Student Mentors



I'm a full-stack developer passionate about building scalable, impactful web apps with React, Next.js, Node.js, and MongoDB. I've secured top positions in multiple hackathons—1st at Infocast UI/UX and Retrothon, 2nd at Techyon and Internspirit, and was a finalist at IITDM Jabalpur and Level Supermind.

Beyond coding, I enjoy mentoring and leading workshops on JavaScript, React, and modern web development. I thrive in fast-paced environments, love tackling real-world problems through tech, and believe in continuous learning and community growth.



Hi everyone! I'm Harsh Sawant, a full-stack developer with experience building everything from websites to complete web apps. I've won multiple hackathons by solving real-world problems creatively and efficiently. Alongside that, I also take on freelance projects, helping clients bring their ideas to life through tech. I'm super excited to share what I've learned with you and help you grow your skills too



# Who will Teach?

## Student Mentors



Hi everyone! I'm Rushikesh Gaonkar, a passionate full-stack web developer and computer engineering student. I specialize in the MERN stack with Next.js, GSAP, Tailwind CSS, and Swift, building everything from sleek front-end designs to robust web apps.

I've worked on hackathon-winning projects solving real-world problems, and I love collaborating and sharing what I learn. When I'm not coding, you'll find me exploring machine learning, planning new app ideas, or playing chess to sharpen my strategy.



I'm a full-stack developer and AI/ML engineer focused on building intelligent systems—from AI agents and RAG pipelines to multimodal apps and context-aware platforms. I've led and won top-tier hackathons, co-founded an investor-backed startup, and mentored teams in applying ML for real-world impact. My work combines deep learning, context engineering, platform development, and user-centered design to create solutions that adapt, learn, and deliver.

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# Who will Teach?

## Industry Mentors

**Intern Spirit**

**Industry MENTOR**

**Vishal Desai**  
The Grit City

- Co-founder and CEO of The Grit City, focusing on self-directed, experiential, and collaborative education.
- 24 years of experience in tech industries (consumer, travel, edtech), building products and leading teams.
- Passionate about coaching young talent and driving innovation in higher education.



**Intern Spirit**

**Industry MENTOR**

**Pratham Nerurkar**  
Conexao Technology Solutions

- Technical Program Manager at Conexao Technology
- Works with cross-functional teams to streamline production and delivery processes using Agile methodologies.
- Guides teams through course corrections to stay on track and deliver value efficiently.



**Intern Spirit**

**Industry MENTOR**

**Nikhil Singh**  
Cidroy Infotech

- Technology Leader | Co-Founder & CTO, Cidroy
- 7+ years of experience in tech leadership.
- Expert in SaaS, E-commerce, and Logistics systems.
- Drives tech strategy and innovation.



**Intern Spirit**

**Industry MENTOR**

**Shaun Kenneth Fernandes**  
Fluxatio Global

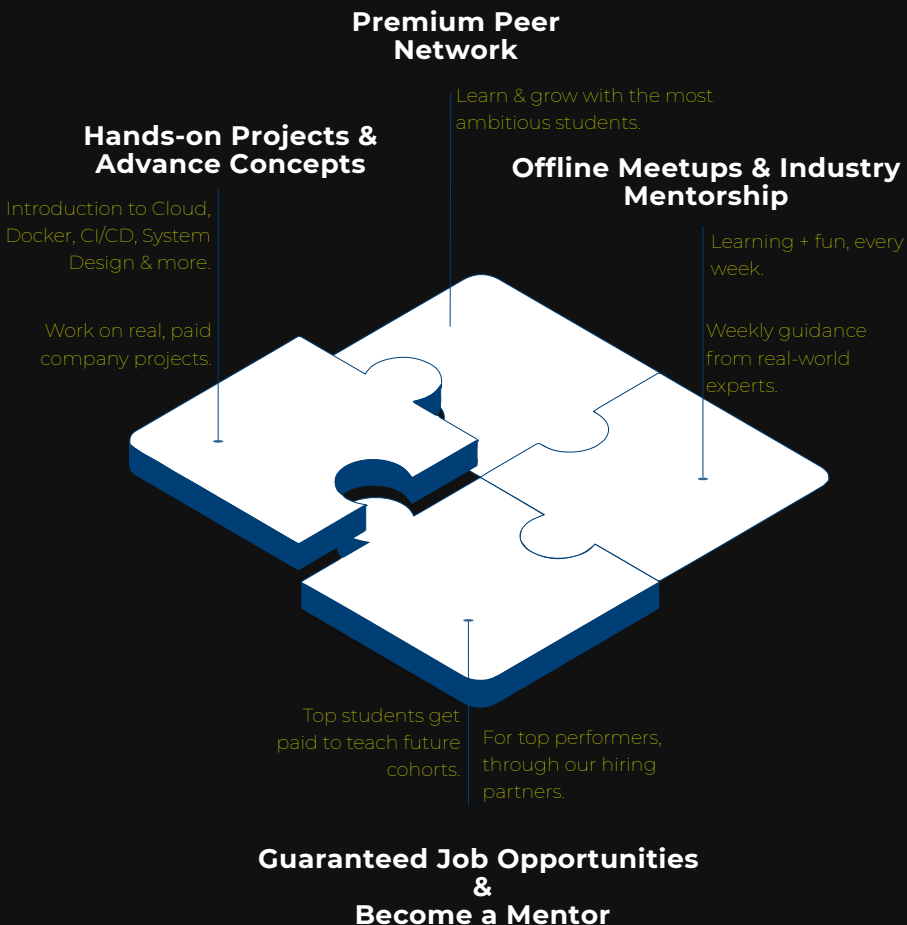
- Serial Entrepreneur | Brand Consultant | Creative Director
- Founder: Fluxatio™ Global, Menezes Fernandes Tech, CreativeJoule
- Worked with 312+ brands across 14+ countries
- Drove ₹21 Cr+ in client revenue
- Clients: G20, Timex, Park Hyatt
- #LeaderofChange - Times of India | Featured in Rolling Stone
- TEDx Speaker | Impacted 14K+ students



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# What you **Unlock.**

Joining this cohort means becoming part of a high-performing community built for growth, opportunity, and impact.



# Cohort Advantage

	Internspirit Cohort	Traditional Education
<b>Curriculum</b>	Industry-relevant	Outdated
<b>Instructors</b>	Top Experienced Seniors + Industry Experts	No industry experience
<b>Assignments</b>	Code 4-5 mini projects and 1 Industry level project	Theoretical written papers
<b>Mentorship</b>	1:1 sessions with industry experts/Senior Mentors	No dedicated guidance
<b>Internship</b>	Internship with our partnered companies guranteed	No Exposure
<b>Learning</b>	Build real world projects and participate in Hackathons	No real world learning
<b>Industry Accessibility</b>	Direct access for jobs and internships with our partnered companies	No access to industry

# Month 1: Frontend in NextJs

Week	Learning Outcomes	Projects	Time (Hrs)
1.	<b>JavaScript Basics + React Core Concepts</b> <ul style="list-style-type: none"><li>• Quick recap of JS essentials</li><li>• React Deep Dive: JSX, props, state, conditional rendering, lists &amp; keys</li><li>• Hooks: useState, useEffect</li><li>• React Components</li></ul>	<b>Project in React</b>	8
2.	<b>Next.js Fundamentals &amp; TailwindCSS</b> <ul style="list-style-type: none"><li>• Reusable Layouts &amp; Component Architecture</li><li>• File-Based Routing &amp; Dynamic Navigation (Next.js)</li><li>• Pre-rendering &amp; Data Fetching Strategies (Next.js)</li><li>• Utility-First &amp; Responsive Designing (Tailwind CSS)</li></ul>	—	10
3.	<b>API &amp; Animation Essentials</b> <ul style="list-style-type: none"><li>• Fetching APIs with fetch &amp; axios</li><li>• Handling Loading, Errors, and Responses</li><li>• Smooth Animations with Framer Motion</li><li>• Combining Data &amp; Motion for UX &amp; Adv UI</li></ul>	<b>Industry Project</b>	12
4.	<b>Auth (Clerk/NextAuth), State Management</b> <ul style="list-style-type: none"><li>• User Authentication with NextAuth.js or Clerk</li><li>• Session Handling &amp; Protected Routes</li><li>• Global State Management Basics</li><li>• Syncing Auth &amp; State</li></ul>	<b>Industry Project</b>	12

# Month 2: Backend in NextJs

Week	Learning Outcomes	Projects	Time (Hrs)
5.	<b>Supabase + MongoDB</b> <ul style="list-style-type: none"><li>Supabase Deep Dive: Postgres-powered DB with authentication, real-time subscriptions, file storage, edge functions</li><li>Creating tables, relationships, role-based access, using Supabase client</li><li>MongoDB Overview: CRUD operations, schema design, working with collections and documents</li></ul>	Industry Project	12
6.	<b>Next.js API Routes, Edge Functions</b> <ul style="list-style-type: none"><li>Building Serverless API Endpoints</li><li>Handling Requests &amp; Responses</li><li>Edge Functions for Ultra-Fast Execution</li><li>Use Cases: Auth, Logging, Geo-Personalization</li></ul>	Industry Project	10
7.	<b>Deployment (Vercel), CI/CD &amp; SEO</b> <ul style="list-style-type: none"><li>Instant Deployment with Vercel</li><li>Build &amp; Environment Settings</li><li>CI/CD: Continuous Integration &amp; Delivery</li><li>Monitoring, Rollbacks &amp; SEO</li></ul>	Industry Project	12
8.	<b>Performance Optimization</b> <ul style="list-style-type: none"><li>Learning Image Optimization</li><li>Code Splitting &amp; Lazy Loading</li><li>Caching &amp; CDN</li><li>Cleaning &amp; Minifying Assets</li></ul>	Industry Project	8

# Month 3: GenAI

Week	Learning Outcomes	Projects	Time (Hrs)
9.	<b>LLM Fundamentals (GPT-4, Claude)</b> <ul style="list-style-type: none"><li>• Understanding LLMs</li><li>• Model Architecture (Transformers)</li><li>• Prompting &amp; Context Windows</li></ul>	<b>AI Customer Support Bot</b>	10
10.	<b>RAG + Vector DBs (Pinecone)</b> <ul style="list-style-type: none"><li>• Understanding RAG</li><li>• Vector Embeddings &amp; Storage</li><li>• Semantic Search with Pinecone</li><li>• Integrating RAG in Workflows</li></ul>	<b>PDF Q&amp;A Bot</b>	12
11.	<b>LangChain Agents</b> <ul style="list-style-type: none"><li>• Understanding AI Agents</li><li>• Decision-Making via LLMs</li><li>• Tool Use &amp; Integration</li><li>• Reasoning and Acting Loop</li><li>• Model Context Protocol(MCP)</li></ul>	<b>AI Research Assistant</b>	12
12.	<b>Multi-Modal AI</b> <ul style="list-style-type: none"><li>• Understanding Multi-Modal AI</li><li>• Combining Modalities</li><li>• Training with Diverse Datasets</li><li>• Architecture &amp; Fusion Techniques</li></ul>	<b>Medical Assistant</b>	8

# Month 4: GenAI

Week	Learning Outcomes	Projects	Time (Hrs)
13.	<b>Fine-Tuning (LoRA)</b> <ul style="list-style-type: none"><li>• Understanding LoRA</li><li>• Parameter-Efficient Tuning</li><li>• Plug-and-Play Modularity</li><li>• Popular Libraries &amp; Ecosystem</li></ul>	<b>Custom Fine-Tuned Model</b>	10
14.	<b>Self-Hosted LLMs (Llama-3)</b> <ul style="list-style-type: none"><li>• Understanding LLaMA &amp; Self-Hosted Models</li><li>• Deployment Tools &amp; Ecosystem</li><li>• Fine-Tuning &amp; Optimization</li><li>• Inference, APIs &amp; Usage</li></ul>	<b>Local Chatbot</b>	12
15.	<b>AI Security (Guardrails)</b> <ul style="list-style-type: none"><li>• Understanding Guardrails in AI</li><li>• Tools &amp; Frameworks</li><li>• Prompt Injection &amp; Jailbreaks</li><li>• Real-World Applications</li></ul>	<b>Industry Project</b>	12
16.	<b>Interview preparation</b>		8

## Your Weekly Schedule

### Weekdays

- 3 hours of recorded content you can watch at your own pace
- 2 hours of live interactive sessions

### Weekend

- Offline meetup with mentors and fellow cohort members
- Networking and collaborative learning opportunities



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# Build With Cutting-Edge AI Tools

 Lovable



 CURSOR



 Gemini



**GitHub**  
Copilot

## Real Projects. Real Impact. Real Opportunity.

- Get the chance to work on live projects sourced directly from our industry partners like **Grit City**
- Get hands-on experience by building solutions to actual challenges faced by our partner companies.
- You can get a chance closely with professionals who'll share practical insights and real world expectations

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# Thank **you**



**Join Our WhatsApp Group To Kickstart Your Tech career**