



# NATION INNOVATION

Live Training & Internship Programs

[www.nationin.com](http://www.nationin.com)

**Early Bird Offer: Get 15% OFF | Internship Certificate Included | Limited Seats Per Cohort**

## GenAI Builder: Generative AI & LLM Internship Program

A 4-week, hands-on internship to build real-world Generative AI tools — chatbots, content generators and AI assistants — powered by Python, prompt engineering and LLM APIs.

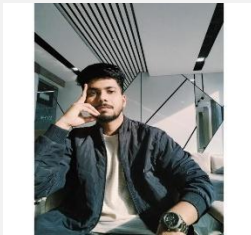
START DATE	DURATION	MODE	FEE
15 June 2026	6 Weeks	Online / Hybrid	<b>Rs.2499/-</b> <small>{MRP Rs.4999/-}</small>

RESERVE YOUR SEAT

BOOK FREE CAREER CALL

In collaboration with NSDC & DPIIT | MSME Registered | Recognised under Startup India & Skill India

### Meet Your Instructor



#### Mr. Saurabh Singh

AI/ML Trainer · Expertise in Generative AI, LLMs and Python-based AI Application Development

Experienced in building production-ready AI tools, integrating LLM APIs, and mentoring students to successfully transition into AI and machine learning roles.

## About the Program

The GenAI Builder Internship is built for students, fresh graduates and early-career professionals who want to break into the fast-moving world of Generative AI and Large Language Models. Over four focused weeks, you will move from “AI curious” to “AI builder” — learning the core ideas behind AI, ML and GenAI, and applying them to ship real, working tools you can demo and deploy.

The program goes deep on the things that actually matter on the job: Python programming for AI workflows, prompt engineering techniques, text generation and summarization, chatbot development, API integration and modern AI frameworks. You will work hands-on with industry-standard GenAI tools and platforms, write automation scripts, build content generators, and integrate LLM APIs into your own applications — guided by a mentor and reinforced through weekly assignments and live doubt-clearing.

By the time you complete the program, you will have built and demoed a portfolio-ready Generative AI project — an AI Chatbot, Resume Generator or AI Study Assistant — and you will be confident designing AI-powered tools from scratch, integrating LLMs into real products, and presenting your work to recruiters and hiring managers.

---

## Learning Outcomes

**By the end of this program, learners will be able to:**

- Explain the core concepts of Artificial Intelligence, Machine Learning and Generative AI in plain language
  - Write clean, working Python scripts to automate tasks and call AI APIs
  - Apply prompt engineering techniques to get reliable outputs from LLMs
  - Build AI-powered content generators for text, summaries and structured outputs
  - Design and develop a functional chatbot or AI assistant from scratch
  - Integrate third-party APIs and AI frameworks into their own applications
  - Build, deploy and demo a complete Generative AI project end-to-end
  - Walk into AI/ML interviews with a portfolio of demonstrable, recruiter-ready projects
- 

## Course Curriculum

The curriculum is delivered module-by-module with live sessions, hands-on labs, assignments and instructor-led doubt clearing. Each module builds on the previous one and ends in an applied exercise.

### Module 1: Introduction to AI, ML & Generative AI (Week 1)

- What is Artificial Intelligence — history, scope and real-world applications
- Machine Learning vs Deep Learning vs Generative AI — clear distinctions
- How Large Language Models (LLMs) work at a high level
- The GenAI landscape: tools, platforms and use cases across industries
- Setting up your AI development environment

### Module 2: Python Programming Fundamentals for AI (Week 1)

- Python essentials: variables, data types, control flow, functions
- Working with libraries: requests, json, os

- Understanding APIs and how AI workflows are wired together
- Reading API documentation and writing your first API call
- Hands-on: Basic Python automation scripts that talk to an AI API

### **Module 3: Prompt Engineering Mastery (Week 2)**

- What prompt engineering is and why it matters
- Zero-shot, few-shot and chain-of-thought prompting
- Designing prompts for accuracy, tone and structured output
- Common failure modes and how to debug prompts
- Prompt templates and reusable patterns

### **Module 4: Generative AI Tools & Text Generation (Week 2)**

- Tour of leading GenAI tools and platforms
- Text generation: blog posts, marketing copy, structured content
- Text summarization techniques for long documents
- Content quality control and post-processing
- Hands-on: Build an AI-based content generator

### **Module 5: Chatbot Development Fundamentals (Week 3)**

- Anatomy of a chatbot: input → context → LLM → response
- Conversation memory and context windows
- Designing personas, system prompts and guardrails
- Handling edge cases and unclear user input
- Testing your chatbot with real conversations

### **Module 6: AI Frameworks & API Integration (Week 3)**

- Introduction to popular AI frameworks for app development
- Connecting LLM APIs to your Python application
- Authentication, rate limits and error handling
- Building a simple front-end for your AI tool
- Hands-on Project: Working AI Assistant / Chatbot

### **Module 7: Capstone AI Project Build (Week 4)**

- Choose your capstone: AI Chatbot, Resume Generator or AI Study Assistant
- Project scoping, milestones and architecture
- Building the core feature loop end-to-end
- Iterating with feedback from your mentor
- Polishing the user experience

### **Module 8: Deployment, Demo Day & Portfolio (Week 4)**

- Packaging your project for sharing and submission
- Recording a clean walkthrough demo of your project
- Final project presentation to instructors and peers
- Pushing your work to GitHub and writing a strong README
- Adding the project to your resume, LinkedIn and portfolio site

## Hands-on Projects

Every concept is reinforced through a project. You will graduate with a portfolio of working, demonstrable projects — not just notes.

#	Project	What You'll Build
#1	<b>Python AI Automation Scripts</b>	<i>Write your first AI-powered Python scripts that read input, call an LLM API, parse the response and automate a small everyday task. Demonstrates Python fundamentals, API basics and JSON handling.</i>
#2	<b>AI-Based Content Generator</b>	<i>Build a tool that takes a topic and tone as input and generates structured marketing copy, blog intros or social posts using an LLM. Demonstrates prompt engineering and text generation.</i>
#3	<b>Text Summarization Tool</b>	<i>Ship a mini-tool that ingests long articles or notes and returns clean, accurate summaries of configurable length. Demonstrates prompt design, chunking and summarization patterns.</i>
#4	<b>Conversational AI Chatbot</b>	<i>Develop a working chatbot with memory, a defined persona and guardrails, served through a simple Python interface. Demonstrates chatbot architecture, system prompts and API integration.</i>
#5	<b>AI Resume Generator</b>	<i>Build an app that turns rough user input into a recruiter-ready, ATS-friendly resume using an LLM, with role-specific tailoring. Demonstrates structured output prompting and real-world product thinking.</i>
#6	<b>AI Study Assistant (Capstone)</b>	<i>Capstone project: an end-to-end AI study assistant that answers questions, summarises notes and quizzes the learner — built, deployed and demoed on Demo Day. Demonstrates the full GenAI app lifecycle.</i>

## Get Certified

Yes! You will be certified for this internship on completion of the program.

✓ Official & Verified	✓ Easy to Share	✓ Career Edge
Signed by the instructor — recognised internship certificate	Add directly to your resume and LinkedIn profile	Use it to stand out and get ahead in your AI/ML career shift

[RESERVE YOUR SEAT](#)

## Live Training Highlights

Everything you get when you enrol in a Nation Innovation live training program — from certification to career support.

<p><b>Certificate</b> Certificate course in collaboration with NSDC, DPIIT</p>	<p><b>Internship</b> Opportunity to intern overseas</p>	<p><b>24×7 Support</b> Training with 24×7 mentor support</p>
<p><b>Mentoring &amp; Doubt Sessions</b> Personalized 1:1 mentoring</p>	<p><b>Flexible Schedule</b> Flexible course schedule to fit students and working professionals</p>	<p><b>6-Digit Salary Potential</b> Assured 6-digit salary association with industry partners</p>
<p><b>LMS &amp; Recording Access</b> Free access to Learning Resource Portal and session recordings</p>	<p><b>Live Projects</b> Engage in 3+ live projects and live case studies</p>	<p><b>100% Placement Support</b> Career assistance by industry experts</p>
<p><b>Industry Tools Access</b> Hands-on access to industry-leading GenAI tools and LLM platforms</p>		

## Bonus Learning Perks

Career-ready add-ons included with your enrolment, at no extra cost.

★ GitHub Profile	★ LinkedIn Profile	★ Resume Writing	★ Soft Skills	★ Mock Interview
Build a recruiter-ready GitHub portfolio with real GenAI project commits.	Optimise your LinkedIn for visibility, keywords and recruiter reach.	Craft an ATS-friendly, role-targeted resume that gets shortlisted.	Build communication, teamwork and workplace etiquette for interviews.	Live mock interviews with feedback to sharpen your performance.

## Bonus Features (Program Specific)

★ Final Project Presentation	★ Hackathon / Demo Day	★ Top Performer Recognition
Present your capstone GenAI project to instructors, peers and industry guests.	Compete in a closing-week Demo Day with prizes for the most innovative builds.	Top performers get featured on Nation Innovation channels and recommended to hiring partners.

# Learning Roadmap

Your journey from learner to placed AI professional — broken down into three guided steps.

STEP 1 Building a Strong Foundation	STEP 2 Internship & Project Learning	STEP 3 Placement Support
Build strong AI, Python and prompt-engineering fundamentals from scratch with industry experts.	Gain hands-on experience working on 3+ live GenAI projects, including a portfolio-ready capstone.	Counselling, confidence building and resume support to land the right AI/ML career opportunity.

## Recognised & Trusted

Nation Innovation operates in collaboration with leading Government of India initiatives and industry bodies — so your learning, certificate and career support carry credibility.

MSME Registered	Startup India	Skill India	DPIIT Approved	NSDC Partner
Yes	Yes	Yes	Yes	Yes

Note: replace the placeholder badges above with the official MSME / Startup India / Skill India / DPIIT / NSDC artwork files when finalising the document.

## What Our Learners Say

Trusted Reviews: 24+ | Average rating: 5 / 5 ★

<p>★★★★★</p> <p><i>"Nice and well-organized course."</i></p> <p><b>Ashwini Ranade</b> Course: Data Science Placed at: <b>National Institute of Hydrology (NIH)</b></p>	<p>★★★★★</p> <p><i>"I recently completed my Python Programming Internship at Nation Innovation, and it was a highly enriching experience that strengthened my Python skills, coding confidence, and industry readiness through practical learning and supportive mentorship."</i></p> <p><b>Manisha Kumari</b> Course: Python Programming Internship Placed at: <b>CISCO</b></p>
<p>★★★★★</p> <p><i>"Overall good."</i></p> <p><b>Deepak Chaudhary</b> Course: Internet of Things Placed at: <b>BlockDeep Labs</b></p>	<p>★★★★★</p> <p><i>"Thanks for understanding each topic very easily. I got to learn many new things from this training. Your teaching style and dedication always inspires me."</i></p> <p><b>Sikandar Kumar</b></p>

	Course: Python Programming <b>Placed at: —</b>
<p>★★★★★</p> <p><i>“After this training, I can easily know where to do what I need to get done, from schematic capture to footprints to out-jobs.”</i></p> <p><b>Rishabh Keshavanand Joshi</b> Course: PCB Design <b>Placed at: —</b></p>	<p>★★★★★</p> <p><i>“A good platform for creative and curious minds interested in the field of electronics. Platform offers an extremely well-curated list of courses and modules — couldn't be more satisfied!”</i></p> <p><b>Kartik Yadav</b> Course: Electronic Devices and Circuits <b>Placed at: —</b></p>

[View all testimonials →](#)

## Ready to Get Started?

**Limited seats per cohort. Reserve yours today.**

Pay securely · 100% placement support · Internship certificate on completion

[REGISTER NOW](#)

Or book a free 1:1 career call: [calendly.com/nationin/nation-innovation](https://calendly.com/nationin/nation-innovation)

## Get in Touch

We're here 24×7 — for course queries, technical questions, payment help or career counselling.

<b>General Email</b>	<a href="mailto:we@nationin.com">we@nationin.com</a>
<b>Payment Queries</b>	<a href="mailto:nationinpayments@gmail.com">nationinpayments@gmail.com</a>
<b>Phone</b>	+91 9458029546
<b>Office Address</b>	Block C, New Ashok Nagar, New Delhi, DL 110096
<b>Website</b>	<a href="http://www.nationin.com">www.nationin.com</a>
<b>Free Career Call</b>	<a href="https://calendly.com/nationin/nation-innovation">calendly.com/nationin/nation-innovation</a>

## Find Us Online

[YouTube](#)

[LinkedIn](#)

[Instagram](#)

[X \(Twitter\)](#)

[Facebook](#)

[Threads](#)

<a href="#">@nationinnovation</a>	<a href="#">nation-innovation</a>	<a href="#">@nationin</a>	<a href="#">@supportNationin</a>	<a href="#">officialnationin</a>	<a href="#">@nationin</a>
-----------------------------------	-----------------------------------	---------------------------	----------------------------------	----------------------------------	---------------------------

---

*Nation Innovation is a leading platform in the electronics and software domain, offering a comprehensive source of knowledge encompassing software and hardware.*

**© 2026 Nationin · All Rights Reserved**