

AI FULL STACK ENGINEERING PROFESSIONAL TRACK

cloud-native deployment, and production-grade AI integration & build, deploy, and scale AI-powered applications end-to-end.



**CLOUD-NATIVE DEPLOYMENT, AND PRODUCTION-
GRADE AI INTEGRATION & BUILD, DEPLOY, AND SCALE
AI-POWERED APPLICATIONS END-TO-END.**

PROFESSIONAL PROGRAM · 6 MONTHS

AI FULL STACK ENGINEERING PROFESSIONAL TRACK

cloud-native deployment, and production-grade AI integration & build, deploy, and scale AI-powered applications end-to-end.

DURATION:
6 MONTHS · 10+ LAB HOURS

FORMAT & MODE
HYBRID LMS + LIVE

SKILL LEVEL
GRADUATE / PROFESSIONAL

FULL STACK SPECIALIZATION TRACKS

Master the full stack of modern web, cloud, and AI tools used in enterprise-grade production systems.

Track 01 Modern Frontend Engineering

Build responsive, type-safe, and production-ready frontends using React and TypeScript.

- HTML5, CSS3, Responsive Design, JavaScript ES6+, Async, Fetch API
- TypeScript, React, Redux Toolkit

Track 02 Enterprise Backend Engineering

Design scalable, secure APIs and microservices using Java and modern persistence layers.

- Core Java fundamentals
- SQL, PostgreSQL, Database Design
- Spring Boot, REST APIs, Security
- (JWT/OAuth2)

Track 03 Cloud Native Application Engineering

Containerize, orchestrate, and operate full-stack apps with CI/CD and observability.

- Linux, Git, Version Control
- Docker, Kubernetes, Container Orchestration
- Cloud Deployment, CI/CD, Monitoring (Prometheus/Grafana)

Track 04 AI Application Engineering

Integrate LLMs, RAG, and agent patterns into production applications securely and at scale.

- Prompt Engineering & LLM APIs
- RAG, Embeddings, Vector Databases
- LangChain, Agents, Enterprise AI Deployment

INDUSTRY-STANDARD TOOLS YOU WILL MASTER

**REDUX TOOLKIT | BOOTSTRAP | VITE | WEBPACK | SPRING BOOT | SPRING MVC
SPRING DATA JPA | FASTAPI | EXPRESS.JS | NODE.JS | MYSQL | POSTGRESQL
REDIS | GIT | GITHUB | GITHUB ACTIONS | JENKINS | DOCKER | KUBERNETES
AWS | AZURE | PROMETHEUS | GRAFANA | ELK STACK**

TRACK 01 MODERN FRONTEND ENGINEERING

Topics covered

- HTML & CSS Fundamentals
 - HTML5
 - CSS3 & Flexbox
 - Responsive Design
- JavaScript Programming
 - checkES6+
 - DOM Manipulation
 - Async Programming

TypeScript Development

- TypeScript Fundamentals
- Interfaces & Classes
- Generics

React Development

- Components & JSX
- Props & State
- React Hooks



Capstone Milestone 1: Enterprise Frontend Application

Develop a responsive, accessible enterprise frontend using React, TypeScript, authentication, state management, and automated testing.

TRACK 02 ENTERPRISE BACKEND ENGINEERING

Core Java Fundamentals

- checkOOP & Collections
- checkException Handling
- checkMultithreading & Streams
- SQL & Database Engineering
- checkSQL
- checkMySQL & PostgreSQL
- checkDatabase Design

Spring Boot Development

- checkSpring Boot & MVC
- checkDependency Injection
- checkSpring Data JPA
- Enterprise REST APIs & Security
- checkREST APIs & CRUD
- checkSwagger & Postman
- checkSpring Security, JWT & OAuth2



Capstone Milestone: Enterprise Microservices Backend

Develop a secure, scalable enterprise backend using Spring Boot or FastAPI with authentication, database integration, and REST APIs.

TRACK 03 CLOUD NATIVE APPLICATION ENGINEERING

Linux Fundamentals & Git

- Linux Commands & Shell Scripting
- File System
- Git & GitHub Workflows

Docker

- Docker Images
- Containers & Dockerfile
- Docker Compose

Kubernetes

- Pods & Deployments
- Services, ConfigMaps & Secrets
- Helm

Cloud Deployment & CI/CD

- AWS & Azure
- GitHub Actions & Jenkins
- Deployment Automation



Capstone Milestone: Cloud Native Full Stack Deployment

Containerize and deploy a full-stack application using Docker, Kubernetes, CI/CD pipelines, monitoring, and secure cloud infrastructure.

TRACK 04 AI APPLICATION ENGINEERING

Software Architecture

- Software Design Principles
- SOLID Principles
- Design Patterns

DevOps & Version Control

- Git & GitHub
- Branching Strategies

Code Reviews

Testing & Quality Assurance

- Unit & Integration Testing
- API & Performance Testing
- Code Quality

Production Deployment

- Environment Configuration
- Security Best Practices
- Application Monitoring



Capstone Milestone: Enterprise Software Deployment

Build, test, document, and deploy a production-ready enterprise application following modern software engineering and DevOps best practices.

BRIDGE THE GAP FROM DEVELOPER TO AI FULL STACK ENGINEER

Watch learners evolve from single-layer developers to production-ready AI full stack engineers in 26 weeks.



WHERE YOU START

01 | Narrow Skillset

Comfortable in one layer (frontend or backend) but limited cross-stack experience.

02 | Deployment Gaps

Limited experience shipping services, CI/CD, or scaling ML in production.

03 | No AI Integration Experience

Unfamiliar with LLMs, RAG, vector DBs, or agent workflows in production.



WHERE YOU'LL BE

✓ AI Full-Stack Engineer

Build end-to-end AI-enabled applications from UI to model deployment.

✓ Production-Ready AI

Deploy and optimize LLMs, RAG pipelines, and agent workflows on cloud and edge.

✓ Portfolio of Real Projects

5+ production-grade capstones demonstrating frontend, backend, cloud, and AI integration.

READY TO MAKE THIS TRANSFORMATION ?
JOIN 2,400+ ENGINEERS WHO ALREADY MADE THE LEAP.

INSIGHTS FROM OUR INTERNS

TRUSTED BY 8,880+ ON GOOGLE

Enterprise Frontend



"The frontend dashboard project sharpened my React and TypeScript skills. Authentication and state management felt like building a real enterprise product."

RAHUL M.

Frontend App



"Redux integration gave me confidence in handling complex UI states. This project became the centerpiece of my portfolio."

ASHA R.

Microservices



"Designing microservices with Spring Boot and PostgreSQL taught me how to scale APIs securely. Redis caching was a game-changer for performance."

PRIYA S.

Backend



"This backend project mirrored real enterprise workloads. It proved I could deliver distributed systems with resilience."

DEEPAK K.

Cloud Native



"Dockerizing services and deploying on Kubernetes gave me hands-on cloud ops experience. CI/CD pipelines made the workflow production-ready."

SNEHA A.

Cloud Native

"Building a RAG assistant with FastAPI and LangChain was my first true AI integration. Deploying it as SaaS made me hiring-ready."

NIKHIL M.

HYBRID TRAINING EXPERIENCE

Seamlessly blend online theoretical depth with offline real-world practicals. Build and ship AI-powered full stack applications with hands-on exposure to LLM integration, cloud deployment, and internship opportunities.



ONLINE + OFFLINE LABS
LIVE SESSIONS PAIRED WITH IN-LAB CODING PRACTICALS.
TERMINAL



REAL PRODUCTION STACK
WORK WITH LLM APIS, BACKEND SERVICES, AND LIVE CLOUD DEPLOYMENTS.
BADGE



INTERNSHIP OPPORTUNITIES
APPLY YOUR SKILLS WITH REAL AI PRODUCT ENGINEERING TEAMS.

EARN PRESTIGIOUS VERIFIABLE CREDENTIALS

Your certification formally validates your skill set in recruiter searches.



VERIFIABLE CREDENTIALS TOKEN

Unique cryptographic hashes
registered on global validation boards.



PREMIUM LINKEDIN INTEGRATIONS

Add directly to your credentials
panel with pre-filled ID tracking.

PROGRAM INVESTMENT

Live Masterclasses & Q&A
Industry Expert Instructors
Practical Case Studies

Seamlessly blend online theoretical depth with offline real-world practicals. Build and ship AI-powered full stack applications with hands-on exposure to LLM integration, cloud deployment, and Job opportunities.

**READY TO
BECOME AN AI
FULL STACK
ENGINEER?**

- 6 MONTHS
- 240+ LAB HOURS
- Flexible 0% EMI Options

INR 8474^{+GST}

TOTAL INR 59,999*
(INCLUSIVE OF TAXES)



CONTACT US

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