

TRAINING **WORKSHOP**

8 One-Week Workshops (6 hours/day)

1. Full Stack Web Development Bootcamp

- HTML, CSS, JavaScript
- React.js & Node.js
- Hands-on mini project

2. AI & Machine Learning Fundamentals

- Python for ML
- Scikit-learn & Pandas
- Building classification/regression models

3. Cybersecurity and Ethical Hacking

- Network security, encryption
- Kali Linux, Wireshark
- Simulated hacking labs

4. Data Science with Python

- Data cleaning, visualization
- NumPy, Pandas, Matplotlib
- Basic predictive modeling



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5. Internet of Things (IoT) with Arduino and Raspberry Pi

- Sensor interfacing
- Cloud data push (ThingSpeak, Firebase)
- IoT mini project

6. Mobile App Development using Flutter

- Dart programming basics
- UI/UX with Flutter
- Building cross-platform app

7. Cloud Computing & DevOps Basics

- AWS / Azure fundamentals
- Docker, CI/CD pipelines
- Deploying apps to cloud

8. Blockchain and Web3 Development

- Blockchain architecture
- Ethereum, Solidity
- Creating simple smart contracts



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8 Two-Days Workshops (6 hours/day)

1. Generative AI Tools (ChatGPT, Midjourney, etc.)

- Prompts & use cases
- Content, code, and design generation

2. Git & GitHub for Beginners

- Version control fundamentals
- Hands-on with GitHub

3. Python Programming Kickstart

- Syntax, loops, functions
- Build a CLI project

4. AR/VR Introduction using Unity

- Unity basics
- Build simple AR/VR scenes

5. Low-Code / No-Code App Development

- Using tools like Bubble, Glide, Appgyver
- Build a functional app in 2 days



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6. Big Data & Apache Spark Overview

- Hadoop ecosystem
- Spark hands-on demo

7. Introduction to Quantum Computing

- Qubits, gates, superposition
- Hands-on with IBM Qiskit

8. Prompt Engineering for AI Tools

- Writing effective prompts
- Use with ChatGPT, DALL·E, Copilot

All the Training Workshops will be conducted at the venue FITT IIT Delhi

"Master Tomorrow's Tech Today — Learn from Industry Experts, Practice with Real-World Tools."

