

Since 2007, Making IT Experts & Products

Course: FinTech Development

Duration: 1000 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

join@nestsoft.com

www.nestsoft.com

Introduction

Building a strong foundation in the FinTech industry requires a deep understanding of the underlying technologies and business models. This course is designed to provide a comprehensive overview of the FinTech ecosystem, covering the fundamentals of financial technology, digital banking systems, and payment technologies. The course is structured to help participants gain a solid understanding of the industry and its various components, enabling them to excel in their roles and contribute effectively to the growth of the FinTech sector.

Course Syllabus

Month 1: FinTech Fundamentals & Financial Technologies

Introduction to FinTech

- * Introduction to Financial Technology
- * Evolution of the FinTech Industry
- * Traditional Finance vs FinTech
- * FinTech Ecosystem Overview
- * Applications of FinTech
- * Future Trends in Financial Technology

Digital Banking Systems

- * Introduction to Digital Banking
- * Online Banking Platforms
- * Mobile Banking Applications
- * Core Banking Systems
- * Digital Customer Experience
- * Banking Automation

Payment Technologies

- * Digital Payment Systems
- * Payment Gateway Integration
- * UPI and Mobile Payments
- * Digital Wallets

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- * Card Payment Systems
- * Payment Security Concepts

Programming Fundamentals for FinTech

- * Programming Basics
- * Python for Financial Applications
- * Database Fundamentals
- * API Concepts
- * Web Application Development Basics
- * Financial Data Handling

Month 2: FinTech Application Development

FinTech Web Application Development

- * Frontend Development Basics
- * HTML, CSS and JavaScript
- * Responsive Web Applications
- * Backend Development Concepts
- * Database Integration
- * Building Financial Applications

Financial APIs and Integration

- * Introduction to Financial APIs
- * REST API Development
- * Banking API Integration
- * Payment API Integration

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- * Third-Party Financial Services

- * API Security

Financial Data Analysis

- * Introduction to Financial Data

- * Data Collection and Processing

- * Financial Data Visualization

- * Financial Reports

- * Data Analytics in Finance

- * Python Libraries for Finance

AI in FinTech

- * Artificial Intelligence in Finance

- * Machine Learning for Financial Applications

- * Fraud Detection Using AI

- * Credit Risk Prediction

- * Automated Financial Analysis

- * AI Chatbots for Banking

Month 3: Blockchain & FinTech Security

Blockchain Fundamentals

- * Introduction to Blockchain Technology

- * Blockchain Architecture

- * Distributed Ledger Technology

- * Smart Contracts Overview

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- * Cryptocurrency Concepts
- * Blockchain Applications in Finance

FinTech Cybersecurity

- * Financial Security Fundamentals
- * Data Protection Techniques
- * Encryption Basics
- * Secure Transactions
- * Identity Verification Systems
- * Fraud Prevention Methods

Smart Contracts and Digital Assets

- * Introduction to Smart Contracts
- * Smart Contract Concepts
- * Digital Assets
- * Tokenization
- * Decentralized Finance (DeFi)
- * Blockchain-Based Financial Solutions

Month 4: Advanced FinTech & Projects

Advanced FinTech Solutions

- * Open Banking Concepts
- * Financial Automation
- * Robo-Advisors
- * Wealth Management Technology

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- * InsurTech Overview

- * RegTech Solutions

FinTech Cloud & Deployment

- * Cloud Computing for FinTech

- * Application Deployment

- * Database Hosting

- * Scalable Financial Systems

- * DevOps Practices

- * Application Monitoring

Final Projects

- * Digital Payment Application

- * Banking Management System

- * AI Fraud Detection System

- * Financial Analytics Dashboard

- * Blockchain-Based Financial Application

Tools and Technologies

- * Python

- * JavaScript

- * HTML & CSS

- * SQL

- * APIs

- * Blockchain

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- * Smart Contracts
- * Artificial Intelligence
- * Machine Learning
- * Cloud Platforms

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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