



DURATION
6 Months

IT, AI & SOFTWARE DEVELOPMENT

COURSE & CAREER GUIDE · 2026

Advanced **Python Full Stack** Developer

Course Details & Career Growth Guide

Frontend, Python, Flask, Django, REST APIs, React and AWS deployment — full stack in six months.

480 Training Hours

9 Modules

5 Hands-On Projects

Career Roles & Salary Ladder

Placement Support

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● Programme Highlights

480 Hours

6 Months of structured,
practical training

5 Projects

Hands-on work you can
show employers

Certified

TÜV SÜD + IPCS Global

Placement

100% placement
assistance & career-
readiness

IPCS Global — Since 2008

IPCS Global began in 2008 as a specialised industrial automation training and services provider and has grown into one of India's leading technical and digital skills institutes, with 50+ branches across India and the GCC. Our Coimbatore centre in Peelamedu combines classroom teaching with hands-on labs, and every learner is coached in communication, aptitude and interview readiness alongside technical skills.

18+

YEARS

15,000+

PROFESSIONALS TRAINED

50+

BRANCHES

100%

PLACEMENT ASSISTANCE

About the IT, AI & Software Development Stream

From AI and data science to full stack development and QA automation, our IT programmes are built around real projects and portfolios — so you graduate able to show employers what you can build, not just what you studied.

**ISO 9001:2015 Certified**

Audited, consistent training quality.

**TÜV SÜD Cooperation Partner**

Partner of the German testing & certification body.

**NSDC Approved Partner**

Approved training partner under Skill India.



Inside the IPCS Global Coimbatore training centre.

Why IT, AI & Software Development, **Why Now**

The demand behind this programme — and the industries that hire our graduates.

- 1 Software runs every business**
Banks, hospitals, retailers and startups all need web applications, data pipelines and quality assurance — creating steady demand for skilled developers and analysts.
- 2 AI and data are the new core**
Companies are investing heavily in AI, analytics and automation. Candidates who can build with data and AI stand out immediately.
- 3 Skills beat degrees**
IT hiring increasingly tests what you can build. A strong project portfolio and GitHub profile can open doors regardless of your academic background.

Where You Can Work

- 1 IT services & consulting**
- 2 Product companies & SaaS**
- 3 Startups**
- 4 Banking, finance & insurance (BFSI)**
- 5 Healthcare & e-commerce**
- 6 Global capability centres (GCCs)**

Three Ways to Build Your Career

Full-Time Job

Join a company with placement support behind you — stability and structured growth.

Job + Freelance

Hold a job while taking side projects to build income and a broader portfolio.

Remote & Global

IT skills are the most globally portable: remote roles, freelance projects and overseas opportunities (GCC, Europe, US, Singapore) are all realistic with experience and a strong portfolio.

CAREER PROGRAMME

Advanced Python Full Stack Developer

Frontend, Python, Flask, Django, REST APIs, React and AWS deployment — full stack in six months.

6 Months

480 Hours

9 Modules

5 Projects

Classroom / Online / Hybrid

Part A • Course Details

Program Overview

A complete full stack programme built around Python. You master HTML, CSS, JavaScript and Bootstrap, Python fundamentals, Flask and FastAPI with databases, a deep 120-hour Django module, Django REST APIs, React JS, and cloud deployment on AWS — ending with a full stack project.

DURATION

6 Months

TRAINING HOURS

480 Hours

MODULES

9 Structured Modules

MODE

Classroom / Online / Hybrid

BATCHES

Weekday • Weekend • Fast-track

CERTIFICATION

TÜV SÜD + IPCS Global

Who Should Join

- ✓ BE / B.Tech / BSc / BCA / MCA students & graduates
- ✓ Polytechnic students
- ✓ Career switchers into software
- ✓ Anyone interested in web development

Eligibility: 12th pass or above with basic computer knowledge. No prior coding required.

What You'll Be Able To Do

- ✓ Build responsive web interfaces
- ✓ Develop backends with Flask, FastAPI and Django
- ✓ Design REST APIs with JWT authentication
- ✓ Work with MySQL and PostgreSQL
- ✓ Build React frontends
- ✓ Deploy on AWS with Nginx and HTTPS

The Full Syllabus

9 modules, 480 hours, delivered in three phases that each build on the last.

01 · FRONTEND FOUNDATION

Modules 1–2 · 95 Hours

HTML, CSS, JavaScript, Bootstrap and Git.

02 · PYTHON BACKEND

Modules 3–6 · 265 Hours

Python, Flask, FastAPI, Django and REST APIs.

03 · SHIP IT

Modules 7–9 · 120 Hours

AWS deployment, React and a full stack project.

01	Introduction to Internet & Website Designing	60 Hrs
02	Bootstrap & Version Control Systems	35 Hrs
03	Python Fundamentals & Getting Started	40 Hrs
04	Python Web Framework with Database	60 Hrs
05	Django Framework & Basics	120 Hrs
06	Django REST APIs	45 Hrs
07	Basics of Cloud & Deployment	45 Hrs
08	Basics of React JS	45 Hrs
09	Django Full Stack Project	30 Hrs

Total Training Duration

480 Hours

Module-by-Module Topics

MODULE 01

60 Hrs

Introduction to Internet & Website Designing

- HTML5 semantic markup & forms
- CSS3, Flexbox, Grid & responsive design
- JavaScript & ES6 fundamentals
- DOM manipulation & jQuery basics
- Web standards & best practices

MODULE 02

35 Hrs

Bootstrap & Version Control Systems

- Bootstrap 5 grid & components
- Git fundamentals: commit, branch, merge
- GitHub repositories & pull requests
- Team collaboration workflows

MODULE 03**40 Hrs****Python Fundamentals & Getting Started**

- Python syntax, data types & operators
- Control flow, functions & modules
- Lists, tuples, dictionaries & sets
- OOP: classes, inheritance, polymorphism
- Async programming basics

MODULE 04**60 Hrs****Python Web Framework with Database**

- Flask framework
- FastAPI basics
- MySQL & PostgreSQL
- ORMs & migrations

MODULE 05**120 Hrs****Django Framework & Basics**

- Django architecture (MVT)
- Models, views & templates
- Forms & admin
- Authentication & security
- Testing, caching & performance

MODULE 06**45 Hrs****Django REST APIs**

- Django REST Framework
- CRUD APIs & serializers
- JWT authentication

MODULE 07**45 Hrs****Basics of Cloud & Deployment**

- Linux basics
- AWS EC2 & S3
- Nginx, Gunicorn & HTTPS

MODULE 08**45 Hrs****Basics of React JS**

- Components & props
- State management & hooks
- API integration

MODULE 09**30 Hrs****Django Full Stack Project**

- Plan, build & deploy a full stack app

Advanced Python Full Stack Developer · Part A**Tools, Projects & Assessment****● Tools & Technologies You'll Use**

VS Code

Python

Flask

FastAPI

Django

Django REST Framework

MySQL

PostgreSQL

React

Git & GitHub

AWS

Nginx

Postman

■ Projects You'll Build

- 1 **Responsive portfolio website**
- 2 **Flask CRUD app**
- 3 **Django e-commerce site**
- 4 **REST API with JWT**
- 5 **Deployed React + Django full stack app**

■ How You'll Be Assessed

1

Module Assessments

Practical and theory checks at the end of each module.

2

Project Reviews

Trainer review of your mini projects and final project.

3

Certification

Issued on meeting assessment and attendance criteria.

Certification: TÜV SÜD certification + IPCS Global course certificate + Internship Certification.

Where Advanced Python Full Stack Developer Can Take You

Job roles, a realistic growth ladder with salary ranges, and the skills to keep growing.

Roles You'll Be Ready For

1

Python Full Stack Developer

Builds complete web applications.

2

Django Developer

Builds backends and APIs in Django.

3

Backend Developer

Designs APIs and databases.

4

React Frontend Developer

Builds modern user interfaces.

5

API Developer

Builds and integrates REST APIs.

6

Software Engineer

Develops and maintains software products.

Your Growth Ladder

STAGE

01

0-2 YRS

Junior / Trainee Developer

Build features and fix bugs.

₹3 – 5 LPA

STAGE

02

2-5 YRS

Software Developer

Own modules and APIs.

₹5 – 10 LPA

STAGE

03

5-8 YRS

Senior Developer / Tech Lead

Design systems and lead teams.

₹10 – 18 LPA

STAGE

04

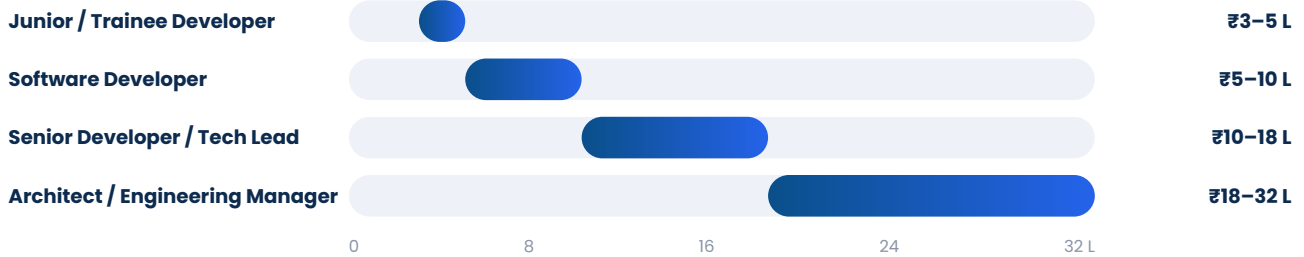
8+ YRS

Architect / Engineering Manager

Own architecture and delivery.

₹18 – 32 LPA

■ Annual Salary Range (CTC) — ₹ Lakh per annum



Indicative ranges for India in 2026. Lower end: Tier-2 cities such as Coimbatore and smaller firms; upper end: metros and larger companies. Guidance only, not a salary guarantee.

■ Skills to Add Next

- ✓ Docker & Kubernetes
- ✓ System design
- ✓ Cloud (AWS) in depth
- ✓ AI integration in apps
- ✓ Testing & CI/CD

■ Certifications to Target

- ✓ TÜV SÜD certification
- ✓ AWS Certified Developer – Associate
- ✓ PCEP / PCAP Python certifications
- ✓ Meta Front-End / Back-End certificates

■ Upgrade Path at IPCS Global

- 1 **Certified AI Professional (add AI to your apps)**
- 2 **AWS Cloud Practitioner / Developer certification**

■ Your First 12 Months After the Course

1
Month 0-1 · Get Visible
Polish your resume and portfolio; apply through the IPCS placement cell's drives.

2
Month 1-3 · First Role
Join as a Junior / Trainee Developer.

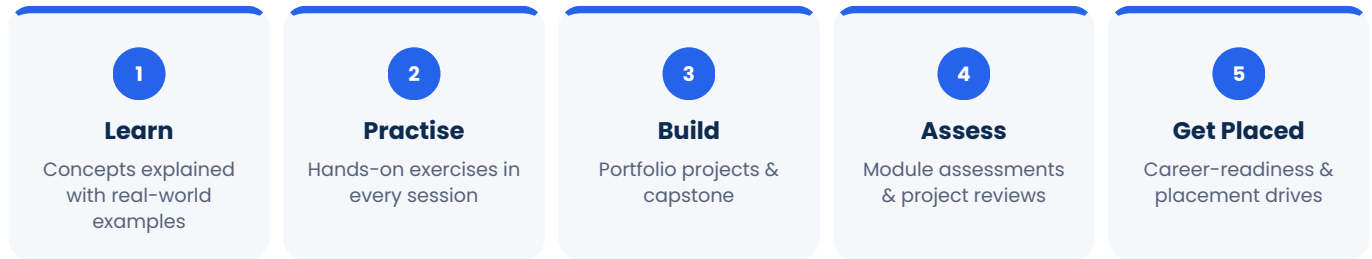
3
Month 3-6 · Get Certified
Earn one certification from the list above.

4
Month 6-12 · Specialise
Pick a specialisation and own a project, system or channel.

How We Train & Certify

Technical skill gets you noticed — presentation, confidence and communication get you hired. Career-readiness runs alongside the syllabus, not after it.

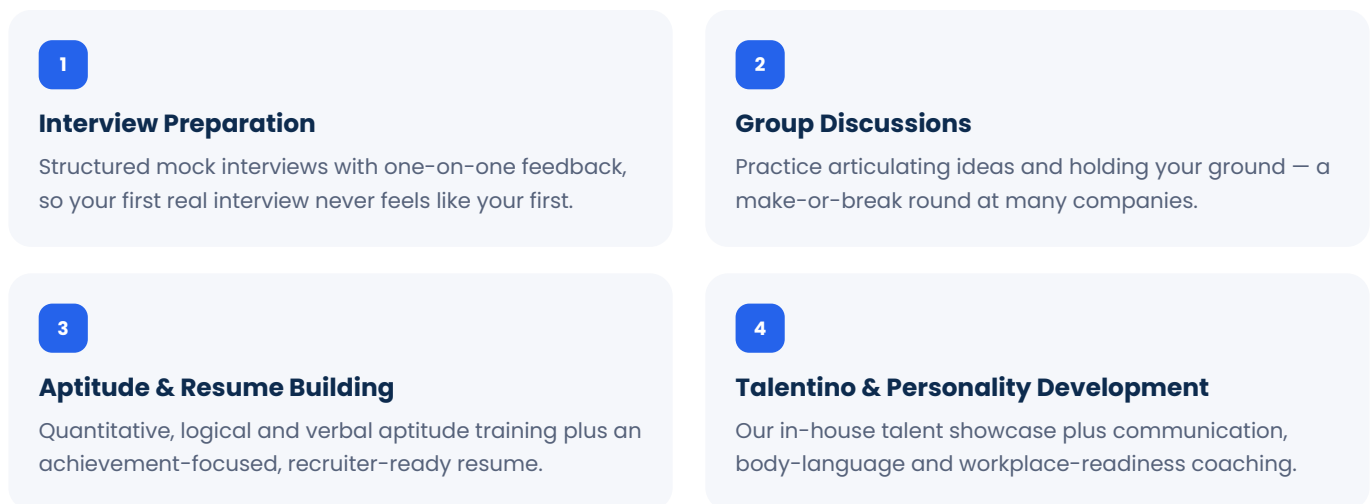
Our Learning Method



Your Certifications

- TÜV SÜD Certification**
 IPCS Global is a cooperation partner of TÜV SÜD, the German testing and certification body. Eligible learners receive a TÜV SÜD certificate that adds independent, international credibility to their skills.
- IPCS Global Course Certificate**
 IPCS Global is an ISO 9001:2015 certified institute and an NSDC approved training partner. Your certificate is issued on successful completion of assessments and projects.
- Internship Certification**
 Documents your real-world projects and GitHub portfolio work — verifiable experience for your resume.

Career-Readiness Track



How IPCS Global Gets You Hired

Every learner goes through a structured career-readiness track alongside the course, supported by our dedicated placement cell.

1

Dedicated Placement Cell

Interview drives, industry referrals and follow-up until you are placed – not just until the course ends.

2

Resume & Portfolio

One-on-one sessions to build a recruiter-ready resume and a project portfolio that proves your skills.

3

Aptitude & GD Training

Quantitative, logical and verbal aptitude plus group discussion practice.

4

Mock Interviews

Simulated technical and HR panels so the first real interview never feels like the first.

Recent IPCS Coimbatore Placements



A selection of recent placements across IPCS Global Coimbatore programmes.

Global opportunity: IT skills are the most globally portable: remote roles, freelance projects and overseas opportunities (GCC, Europe, US, Singapore) are all realistic with experience and a strong portfolio.

Why IPCS Global



18+ Years of Training Excellence

A track record since 2008, refined across 15,000+ professionals trained.



ISO 9001:2015 Certified

Audited, consistent training quality — every batch, every time.



Recognised Partnerships

TÜV SÜD cooperation partner and NSDC approved training partner.



Dedicated Placement Cell

Industry tie-ups, interview drives and follow-up until you are placed.



Real Labs, Real Projects

Industry-grade equipment and live projects — proof of work, not just a certificate.



50+ Branches, One Standard

Across India and the GCC, with weekday, weekend and fast-track batches.

Meet Our Coimbatore Team



Trainers, mentors, counsellors and placement coordinators at IPCS Global Coimbatore — working with every learner from the first class to final placement.

Frequently Asked Questions

Quick answers to the questions learners and parents ask us most. For anything else, call or visit the Coimbatore branch.

Q. Do I need prior experience to join?

Most programmes start from the fundamentals. Each programme lists its eligibility — our counsellors will confirm the right starting point for your background.

Q. Are classes held online or in the classroom?

Classroom / Online / Hybrid. Talk to our counsellors about the best option for your programme.

Q. What batch timings are available?

We run weekday, weekend and fast-track batches, so students and working professionals can both find a schedule that fits.

Q. Is placement guaranteed?

We provide 100% placement assistance — resume building, aptitude and GD training, mock interviews and interview drives through our dedicated placement cell. Final selection depends on each learner's performance, attendance and interview results.

Q. What certificate will I receive?

TÜV SÜD certification + IPCS Global course certificate + Internship Certification.

Q. Can I attend a class before enrolling?

Yes. Book a free demo session to meet the trainers, see the labs and experience a live class before you decide.

Q. What are the course fees?

Fees depend on the programme and batch type. Please contact the Coimbatore branch for the current fee structure and any available offers.

Q. Can working professionals join?

Yes. Weekend and fast-track batches are designed for people who are working or studying alongside the course.

LET'S START THE CONVERSATION

Your Career in IT, AI & Software Development Starts Here

Book a free demo class, meet the trainers and see the labs — our counsellors will help you pick the right programme and batch.

Visit Us

Address #12, 2nd Floor, Swathi Towers,
Sowripalayam –
Masakalipalayam Road, Opp.
GRG Matriculation School,
Periyar Nagar, Peelamedu,
Coimbatore, Tamil Nadu –
641004

Get In Touch

Phone +91 80860 96664
Email bmcbe@ipcsglobal.com
Web www.ipcsglobal.com
Batches Weekday · Weekend · Fast-track

Book Your Free Demo Session Today

Walk in, call or write to us — meet the trainers, see the labs, and get counselling on the right course and batch before you enrol.

How to Enrol

1

Contact Us

Call, WhatsApp or walk in to our Peelamedu centre.

2

Free Demo

Attend a live class and see the labs.

3

Choose a Batch

Weekday, weekend or fast-track.

4

Enrol & Start

Simple, guided enrolment.