Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

FULL STACK

Python Full Stack with React & Django

React.js • JavaScript • Python • Django • REST APIs



COURSE FEE

₹35,000

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Python Full Stack with React & Django

Syllabus at a glance

01

Frontend foundations

02

React.js frontend

03

Python programming

04

Django backend

05

Databases & REST APIs

06

Integration & deployment

PORTFOLIO PROJECT

Workshop Booking Portal

Build a React booking experience that consumes Django REST endpoints and saves registrations in a database.

Python Full Stack with React & Django

Core concepts

01

Frontend foundations

Work through responsive HTML and CSS forms, JavaScript modules and asynchronous requests.

02

React.js frontend

Build screens with components, hooks, forms, routing and loading and error states.

03

Python programming

Write reusable Python functions and classes. Use environments, modules and exceptions.

TOOLS & TOPICS

React.js • JavaScript • Python • Django • REST APIs

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Applied skills

04

Django backend

Organise routes, applications, models, validation and role-based access.

05

Databases & REST APIs

Use the Django ORM and migrations. Expose booking resources with Django REST Framework (DRF).

06

Integration & deployment

Connect React to Django, check permissions and error responses, and prepare deployment settings.

TOOLS & TOPICS

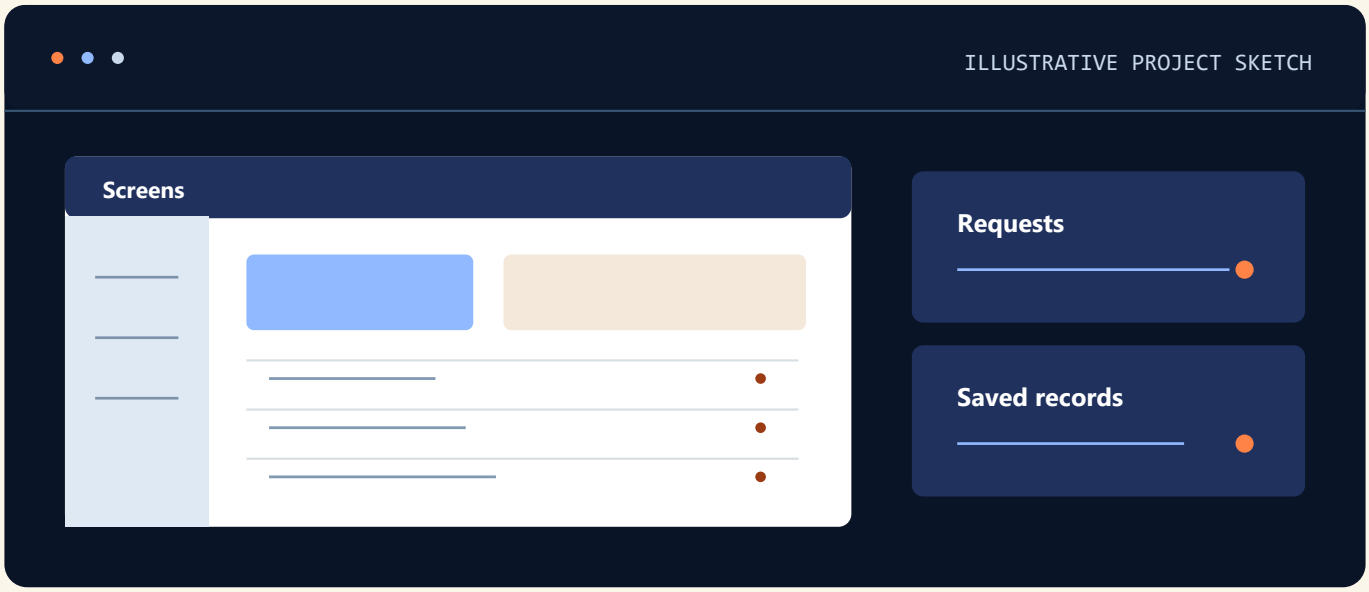
React.js • JavaScript • Python • Django • REST APIs

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Portfolio project

Workshop Booking Portal

Build a React booking experience that consumes Django REST endpoints and saves registrations in a database.



Map the request

Trace one user action through the interface, API and data store.

Check the flow

Test a successful request, a validation error and a permission error.

Working screens, an API checklist, a database sketch and setup instructions.

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Project checklist

Use these checks to prepare your project demo or portfolio handoff.

01

Trace a booking

Follow React form data through a Django REST endpoint to the saved record.

02

Verify access rules

Check a normal booking, invalid data and a restricted staff action.

03

Prepare a walkthrough

Include API examples, sample data and launch instructions for both applications.

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Course fees

COURSE FEE

₹35,000

Contact admissions for current batches, class timings and enrolment details.

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SCAN FOR MAP

View course details online

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Course content

MODULES 01–02

01 Frontend foundations

Lessons & practice

- Semantic HTML and responsive CSS
- JavaScript modules and Fetch
- Forms and validation

HANDS-ON Build a labelled form and verify keyboard and mobile behaviour.

02 React.js frontend

Lessons & practice

- React components and JSX
- Hooks and routes
- Loading and error states

HANDS-ON Create workshop list and detail routes using sample API data.

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MODULES 03–04

03 Python programming

Lessons & practice

- Python functions and classes
- Modules and environments
- Validation and exceptions

HANDS-ON Write a testable capacity rule that rejects an invalid booking.

04 Django backend

Lessons & practice

- Django projects and apps
- URL routing and views
- Models, permissions and admin

HANDS-ON Create workshop and booking models and restrict a staff-only action.

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MODULES 05–06

05 Databases & REST APIs

Lessons & practice

- Django ORM and migrations
- Serialisers and validation
- Django REST Framework endpoints

HANDS-ON Create and list bookings through an API and verify filtered database results.

06 Integration & deployment

Lessons & practice

- React-to-Django integration
- Authentication and useful errors
- Tests and deployment configuration

HANDS-ON Demonstrate a valid booking and a rejected request with setup instructions.