

# UI FULLSTACK Internship Course:

## JobSync AI

A web application where job seekers can create profiles, upload resumes, browse job listings, and apply, while employers can post jobs and manage applications. The AI features will enhance user experience by providing resume-job matching, skill gap analysis, and personalized job recommendations.

Total students divide as groups of 5: each group will have some tasks and one team leader and daily updates

Total Duration: 6 weeks:

Week 1: Revision of React, backend and DB Topics

Classes for explaining different basics:

- a. React Topics such as routing, state management, libraries, hooks
- b. Nodejs, express js and API settings
- c. Explaining docker and kubernetes
- d. Explaining MongoDB and its setup with nodejs
- e. Full stack flow from react to MongoDB

Tasks in first week:

- a. Login page, signup page using react js
- b. Dashboard basic with role-based authentication
- c. Dashboard analytics in chart form
- d. Crud operations in reactjs
- e. Landing page creation in react js
- f. Pdf handling using reactjs

Week 2: Project structure Explain and Project setup

- a. Explaining Git & Github for collaboration
- b. Explaining Project requirements and flow
- c. Setup folder structure and database
- d. Explaining tasks and assign tasks to groups
- e. Implementing starting flow from each group

### **Groups and their goals:**

**Group 1:** Authentication (frontend + backend) - Users can register/login with basic validation.

**Group 2:** Job posting form (frontend) - Employers can create job listings.

**Group 3:** Job storage and listing APIs (backend) - Store jobs and fetch them for browsing.

**Group 4:** Job browsing UI (frontend) - Job seekers can see and search jobs by title.

**Group 5:** Apply system (frontend + backend) - Job seekers can apply, employers see applications.

**Group 6:** Basic matching (backend) - Show jobs matching user skills (keyword-based, no AI).

**Group 7:** User profiles (frontend + backend) - Users can view/edit profiles and see applied jobs.

**Group 8:** Integration and testing (support group) - Help integrate modules, test end-to-end, fix bugs.

Week 3:

Day	Group 1 (Auth)	Group 2 (Job Form)	Group 3 (Job APIs)	Group 4 (Browse UI)	Group 5 (Apply System)	Group 6 (Matching)	Group 7 (Profiles)	Group 8 (Integration)
1	Kick-off meeting, setup environments	Kick-off meeting, setup	Kick-off meeting, setup	Kick-off meeting, setup	Kick-off meeting, setup	Kick-off meeting, setup	Kick-off meeting, setup	Kick-off meeting, setup
1	Research JWT, start login form (React)	Plan job form UI	Setup Express/Mongo DB	Research browsing UI	Research apply UI	Research keyword matching	Plan profile UI	Research integration
2	Build backend auth APIs (Express)	Start job form wireframes	Start job POST API	Plan coding approach	Plan coding approach	Plan matching logic	Start profile UI	Document progress
1	Test auth flow, document APIs	Build job form UI	Implement job storage	Start browsing UI	Start apply button UI	Start matching logic	Build profile edit form	Assist with setups
1	Code review, sync meeting, test setups	Code review, sync	Code review, sync	Code review, sync	Code review, sync	Code review, sync	Code review, sync	Code review, sync

Week 4:

Day	Group 1 (Auth)	Group 2 (Job Form)	Group 3 (Job APIs)	Group 4 (Browse UI)	Group 5 (Apply System)	Group 6 (Matching)	Group 7 (Profiles)	Group 8 (Integration)
1	Finish auth, help others integrate	Test job form, mock data	Build GET API for jobs	Connect to Group 3's API	Plan apply backend	Test matching logic	Test profile edits	Document progress

2	Assist with auth integration	Finish job form, test	Optimize job APIs	Build search by title	Start apply UI	Refine matching, test	Continue profile UI	Assist with integration
1	Document usage, fix bugs	Test end-to-end	Test job APIs	Test browsing UI	Build apply button	Continue matching	Test profile flow	Help with bug fixing
1	Code review, test integrations	Code review, fix bugs	Code review, fix bugs	Code review, fix bugs	Code review, fix bugs	Code review, fix bugs	Code review, fix bugs	Code review, fix bugs
1	Sync meeting, finalize auth	Sync meeting, finalize	Sync meeting, finalize	Sync meeting, finalize	Sync meeting, finalize	Sync meeting, finalize	Sync meeting, finalize	Sync meeting, finalize

Week 5:

Day	Group 1 (Auth)	Group 2 (Job Form)	Group 3 (Job APIs)	Group 4 (Browse UI)	Group 5 (Apply System)	Group 6 (Matching)	Group 7 (Profiles)	Group 8 (Integration)
1	Assist with auth integration issues	Test job form with real data, fix UI bugs	Optimize job APIs, assist Group 4	Finalize browsing UI, ensure search works	Design apply button and form	Refine matching logic for skills	Build profile page UI	Review integrations, identify connection points
2	Continue assisting with auth	Assist Group 5 if needed	Test job APIs with browsing UI	Test browsing with real data, fix bugs	Build apply form frontend (e.g., message)	Test matching with sample data	Start backend for profiles, fetch API	Help Group 4 and 5 integrate browsing/apply
1	Finalize remaining auth issues	Document job form, assist others	Assist Group 5 with apply API	Help Group 5 add apply button	Build backend to store applications	Integrate matching with browsing	Connect profile UI to backend	Assist Group 6 with matching integration
1	Code review for auth, prep testing	Code review, fix bugs	Code review, optimize queries	Test browsing flow, fix UI issues	Test apply system end-to-end	Refine matching based on tests	Add edit functionality to profiles	Start integrating profiles with auth/apply
1	Test and fix bugs, sync meeting	Test and fix bugs, sync meeting	Test and fix bugs, sync meeting	Test and fix bugs, sync meeting	Test and fix bugs, sync meeting	Test and fix bugs, sync meeting	Test and fix bugs, sync meeting	Lead integration testing, sync meeting

Week 6:

Day	Group 1 (Auth)	Group 2 (Job Form)	Group 3 (Job APIs)	Group 4 (Browse UI)	Group 5 (Apply System)	Group 6 (Matching)	Group 7 (Profiles)	Group 8 (Integration)
1	Test auth with all modules	Test job form with real data	Test job APIs with browsing/apply	Test browsing UI with real data	Test apply flow (UI to backend)	Test matching with sample skills	Test profile view/edit	Start end-to-end flow testing
2	Fix auth bugs from testing	Fix job form UI bugs	Fix API bugs from testing	Fix browsing UI bugs	Fix apply system bugs	Fix matching logic bugs	Fix profile bugs	Help groups resolve integration bugs
1	Retest auth integration, assist others	Retest job form, assist Group 5	Retest APIs, assist Group 6	Retest browsing, assist Group 5	Retest apply flow, assist Group 7	Retest matching, assist Group 4	Retest profiles, assist Group 5	Test apply-browse-match flow
1	Code review, document fixes	Code review, document fixes	Code review, document fixes	Code review, document fixes	Code review, document fixes	Code review, document fixes	Code review, document fixes	Refine integration, fix flow issues
1	Final testing, sync meeting	Final testing, sync meeting	Final testing, sync meeting	Final testing, sync meeting	Final testing, sync meeting	Final testing, sync meeting	Final testing, sync meeting	Final end-to-end test, sync meeting