

# SkillForge — Full Stack Development

## Final Project Report

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Project Title: SkillForge — Full Stack Development Platform

Domain: Full Stack Development

Internship: upskillCampus

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### 1. Project Overview

SkillForge is a learning and project-hosting platform for full-stack developers. It demonstrates a simple MERN-style architecture (Node/Express + MongoDB + React) with APIs for managing 'courses' and a small Re

### 2. Objectives

- Provide a runnable local full-stack scaffold.
- Demonstrate REST API patterns and a simple React frontend.
- Deliver documentation and code ready for extension and deployment.

### 3. Technologies Used

- Backend: Node.js, Express, Mongoose (MongoDB)
- Frontend: React (Vite), Axios
- Dev tooling: nodemon, vite

### 4. Architecture

- Backend: RESTful API with routes and Mongoose models.
- Frontend: Single Page App calling backend API.
- Database: MongoDB for persistence.

### 5. How to Run Locally

(see README.md in project root)

### 6. API Endpoints

- GET /api/health
- GET /api/courses
- POST /api/courses

### 7. Future Work

- Authentication (JWT)
- Role-based access
- Course editing/deleting, pagination, validation
- Dockerization and CI/CD

### 8. Conclusion

This scaffold provides a starting point for SkillForge. Extend it by adding auth, richer models, and a polished front