

Infosys Springboard Internship - Week 1 Report

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Week: Week 1

Task Assigned:

- Set up project structure with React (frontend) and FastAPI (backend).
- Implement User Registration and Login using JWT.
- Create database models for users in PostgreSQL.

Steps I Followed:

- Created root folder Infosys_Internship with **frontend** and **backend** subfolders.

• In backend:

- Created virtual environment project.
- Installed FastAPI, uvicorn, psycpg2-binary, python-dotenv, passlib.
- Created app folder with: main.py, database.py, database_models.py, schemas.py, utils.py
- routers folder with auth.py
- .env for secret keys and database URL
- Connected PostgreSQL database.

• In frontend:

- Created React project.
- Installed Tailwind CSS.
- Created components: Register, Login, Navbar, Home.
- Linked icons and input fields.
- Implemented JWT-based authentication for secure login.

Configured .gitignore to exclude:

- Backend virtual environment
- .env files
- __pycache__
- Node modules and build folders

Learnings:

- Learned to set up React + FastAPI project structure.
- Implemented JWT authentication for user login.
- Learned how to manage secrets using .env and .gitignore.
- Hands-on experience with Git and GitHub workflow.

Outcomes:

- Successfully created backend and frontend structure.
- User registration and login are working correctly.
- Secure files are ignored in GitHub repository.
- Week 1 tasks completed.