

Module 3) Projects

Q-1) Describe a key project you have worked on or are currently working on

Ans: I worked on a project called 'Empower Illiterate.' It's a platform that helps people who are good at skills like carpentry or farming find jobs, even if they can't read or write. I Developed web for this.

Q-2) Explain the technologies used, the scope of the project, and its objectives.

Ans: I used Python and Django for the backend, Bootstrap for the frontend, and MySQL for the database. The goal of the project was to make it easier for skilled, illiterate workers to find jobs.

Q-3) Highlight the challenges faced and how you addressed them, showcasing your problem solving skills.

Ans: 1. Accessibility Issue:

- **Challenge:** Illiterate users struggled with internet-based registration.
- **Solution:** I implemented an SMS-based system, allowing users to register and update their profiles via text messages

2.Data Security:

- **Challenge:** Protecting sensitive user data.
- **Solution:** I used encryption for data storage and secure OTP verification for authentication, ensuring that personal information remained safe.

3. Scalability:

- **Challenge:** Managing increasing user load.
- **Solution:** Designed a scalable database and optimized backend performance to handle growing traffic efficiently

YouTube link: <https://youtube.com/shorts/7QML5mGzwNc?si=iDxCFRQkie9HA4sk>