



**Name:** Fahad Muhammad Khan

**Lead's Name:** Abubakar Sattar

**Bytewise Fellowship Program:** Django

## My Experience

During my enriching three-month fellowship at Bytewise, under the guidance of our esteemed lead, Abubakar Sattar, I had the privilege of honing my skills in Django, HTML, CSS, and AJAX while actively participating in various projects. I am excited to present this document, which showcases the knowledge I gained during the fellowship, the projects I worked on, and the technologies I utilized.

### Projects:

- 1. Todo List:** Collaborated on the development of a feature-rich todo list application.
- 2. Netflix Clone:** Contributed to the creation of a functional clone of the Netflix website.
- 3. Meetups Management System:** Played a key role in designing a system for efficiently managing meetups and events.
- 4. Employee Management System:** Assisted in developing a comprehensive system for seamless employee data management.
- 5. E-commerce Store:** Contributed to the successful building of an engaging e-commerce platform for online shopping.
- 6. CRUD Using Django AJAX:** Actively participated in implementing Create, Read, Update, and Delete operations using Django AJAX.
- 7. API Development with Django Rest Framework:** Worked alongside the team to create RESTful APIs using Django Rest Framework for web services.

### Skills Acquired:

- 1. Django Development:** Under the mentorship of Abubakar Sattar, I gained invaluable expertise in developing complete web applications with Django, handling user authentication, and proficiently working with models, views, and templates.
- 2. Front-end Development:** Strengthened my proficiency in HTML and CSS, enabling the creation of visually appealing web pages. I also gained hands-on experience in utilizing AJAX for seamless communication between the front-end and back-end.
- 3. Database Integration:** Successfully integrated PostgreSQL as the backend database, ensuring efficient data storage and retrieval. Additionally, I learned to manage database schema changes through Django's database migrations.

**4. API Development:** I mastered the creation of RESTful APIs using Django Rest Framework, proficiently implementing data serialization and deserialization in API endpoints.

## **Conclusion:**

Thanks to the excellent guidance and mentorship provided by Abubakar Sattar, my fellowship experience at Bytewise has been incredibly transformative. Through diverse projects such as the Todo List, Netflix Clone, Meetups Management System, Employee Management System, E-commerce Store, CRUD using Django AJAX, and API Development with Django Rest Framework, I have developed a solid understanding of Django development, front-end design, database integration, and API development. I am now well-prepared and enthusiastic to contribute effectively to future web development projects that leverage Django and its associated technologies.