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Experience

Work For Local Client

June 2022 - July 2025

- Built an **AI-powered business messaging automation system** using Django, Next.js, and WebSockets (Django Channels) to streamline customer interactions on Facebook & WhatsApp.
- Created a full-stack review platform (Django + Next.js) with JWT auth, Google OAuth 2.0, and infinite scroll to help students evaluate professors & institutions.
- Developed a secure, Django-backed e-Commerce site with user authentication, real-time cart management, and a responsive Bootstrap UI for seamless shopping

Projects

AI-powered business messaging automation system

- AI-powered business messaging automation system **backend** made with django and **frontend** made with next.js
- Integrated LangChain with Google Gemini, ChatGPT and Custom Model to dynamically generate context-aware replies based on FAQs, products, and services stored in PostgreSQL.
- Utilized a single WebSocket connection to stream real-time chat updates, achieving sub-300ms latency with Redis caching and Celery task queues.
- Designed scalable API endpoints with Django REST Framework, enabling secure integration with multiple messaging platforms.
- Developed a performant Next.js frontend using TypeScript, Tailwind CSS, and Redux Toolkit with RTK Query for seamless state and API management.
- Implemented robust authentication via JWT and Google OAuth 2.0, supporting 500+ concurrent businesses securely.
- Applied Role-Based Access Control (RBAC) for permission management across business and admin users.

RateTeach – Professor & Institution Rating Platform

- Developed a full-stack rating system using Django, REST Framework **backend** and Next.js (TypeScript) **frontend** , featuring secure authentication with JWT and Google OAuth 2.0.
- Integrated Redux Toolkit with RTK Query for optimized state and API data management.
- Built performant infinite scroll supporting 10,000+ reviews with sub-200ms response times.
- Designed dynamic analytics dashboards for comparative professor and institution insights.
- Containerized the application with Docker and configured Nginx as a reverse proxy for streamlined deployment.
- multiple language(bangla, english) and dark & white mode support

Yusro – E-Commerce Platform

- Implemented secure login and registration using Django authentication system.
- Developed product catalog with add, update, and display functionalities.
- Enabled shopping cart operations and integrated basic payment flow.
- Designed a responsive UI using HTML, CSS, JavaScript, and Bootstrap.

Skills

- **Languages:** Python, JavaScript (ES6+), TypeScript, C/C++, Java, dart
- **Frameworks & Libraries:** Django, Next.js, Redux Toolkit & RTK Query, Django Rest Framework(DRF), Langchain, Django Channels, Flutter
- **Database Management:** PostgreSQL, MySQL, MongoDB
- **Web Technologies:** HTML5, CSS3, Tailwind CSS, Bootstrap
- **DevOps & Tools:** Docker, Git, GitHub, Linux
- **Others:** JWT Authentication, CI/CD, Agile Methodology, Nginx, Redis, Celery, GraphQL, Google OAuth 2.0, Firebase

Additional Skills

- **Graphic & UI/UX Design:** Figma, Adobe Photoshop, Adobe Illustrator
- **Soft Skills:** Critical Thinking, Team Collaboration & Leadership, Communication & Presentation Skills, Time Management & Adaptability.