

Hasanul Banna

Python Developer

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Profile

As a seasoned Django backend developer, I possess a wide range of technical skills, including expertise in **Django Rest Framework**, **SQL**, **ORM**, **Celery**, **Redis**, **PostgreSQL**, **Git**, **MongoDB**, **Docker**, **React**, **Redux**, **HTML**, **CSS**, and **TypeScript**. I have **independently developed** a travel package booking website with React and Django and have extensive experience in deploying and configuring **Nginx** on **AWS**. I am confident in my ability to build efficient and scalable web applications that meet the needs of clients.

Professional Experience

Feb 2023 – present

Full Stack Developer, *Enroute Travel*

- Created a travel package reservation website single-handedly using **React** with **TypeScript** and Tailwind for the frontend.
- Utilized **Django Rest Framework** (DRF) and **PostgreSQL** for the backend to create robust **API endpoints** that ensure scalability.
- Implemented **Git** as the version control system to keep track of changes and collaborate effectively with the team.
- Employed **Celery** and **Redis** for task scheduling to ensure efficient execution of background processes.
- Integrated Twilio SMS and WhatsApp **API** for seamless customer interactions, improving the user experience.
- Containerized the application using **Docker**.
- Experience in integrating payment gateways and third-party APIs.

Aug 2022 – Feb 2023

Python Developer, *Brototype*

- Developed a **full-stack ecommerce application** and several minor projects during the Python Developer Internship.
- Gained experience in hosting web applications on **AWS** using **Nginx** as the web server.
- Performed various tasks, such as developing new features, fixing bugs, and enhancing the overall functionality and scalability of the applications during the internship.
- Made use of a diverse range of technologies and tools, including **Ajax**, **Bootstrap**, **JavaScript**, **React**, **PostgreSQL**, **Django Rest Framework (DRF)**, **HTML5** and **CSS3** to build these applications.
- Employed **Django Channels** to establish **WebSocket** connections.

Education

Jul 2019 – Jun 2022

BSc Honours, Computational and Mathematical Physics,

Jamia Millia Islamia Central University ☑

Grade : First Class

May 2017 – Apr 2019

Higher Secondary Certification in Bio-Maths, *VMC GHSS Wandoor*

Grade : 92%

Projects

Nov 2022 – Jan 2023

Jaiva - Online Organic Shop,

A complete Ecommerce website built with Django Framework [↗](#)

- Independently designed and developed an eCommerce grocery application using Django, Bootstrap5, HTML5, CSS3, JavaScript, and Chart.js for data visualization.
- Integrated **PostgreSQL** as the database for the application, ensuring seamless data storage and retrieval.
- Implemented payment gateway integration using Razorpay SDK to enable secure and convenient payment processing for customers.
- Integrated third-party APIs to enhance application functionality, including integrating mailing services using **SMTP** to provide personalized communication to users
- Created an intuitive admin panel with full CRUD (Create, Read, Update, Delete) functionality to manage product listings, orders, and user accounts.
- Deployed the application on **AWS EC2**, leveraging its scalability and reliability, and used Nginx as the web server to ensure optimal performance.

Feb 2023 – Feb 2023

Django - React User Management System.,

A basic CRUD application with an admin panel [↗](#)

May 2022 – Jun 2022

Simulation Of Random Walk Using Python,

Research project for the partial fulfillment of graduation [↗](#)

- Conducted a research project as part of undergraduate studies, which involved simulating the deviation of a random walk in one, two, and three dimensions.
- Leveraged **Python libraries** such as **Numpy**, **Random**, and **Matplotlib** to carry out the project, showcasing my proficiency in programming and data analysis.
- Presented a paper summarizing the project findings, which highlighted the intricate behavior of random walks and its implications in diverse fields.
- Demonstrated excellent research skills, including hypothesis formulation, experimental design, data collection and processing, and interpretation of results

Languages

- English

- Hindi

- Malayalam

Skills

Python

Django

DRF

SQL

React JS

JavaScript

PostgreSQL

Nginx

AWS EC2

Docker

GIT & GTHUB

FastAPI

jQuery

Project Management