Nazmul Alam

Building Scalable Web Apps with Django

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🔗 https://protfolio-tar6.onrender.com/

Profiles

in Nazmul Alam

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Summary

Proficient Django Developer with hands-on experience in building and deploying web applications, including and a student management system with user authentication and database integration. Skilled in Python, Django, and static file management

Education

Gopalganj Science and Technology University,Gopalganj   **2020-2024**
Computer Science and Engineering   Regular
cgpa :3.07

🔗 https://www.bsmrstu.edu.bd/s/
Completed a Bachelor's degree in Computer Science and Engineering from Gopalganj Science and Technology University (2020–2024) with a CGPA of 3.07 (Regular Program). Gained practical knowledge in software development, web technologies, and machine learning through hands-on academic projects and independent research.

Projects

student_management_system
A web-based student management system built with Django, enabling administrators to manage student records, courses, results, and user roles with ease.

🔗 https://student-management-system-6p1f.onrender.com
Developed a Django-based system to manage students, courses

Django, Student Management, Web App, Python, Admin Panel, Database, CRUD, Education System

E-commerce_web
Developed a full-featured e-commerce website using Django, including user authentication, product listing, shopping cart, and payment integration.

🔗 https://e-commerce-web-in5m.onrender.com
Built a scalable Django-based e-commerce platform with secure user login, product management, and seamless online payment processing.

Django, E-commerce, Payment Gateway, User Authentication, Product Management, Shopping Cart, SSLCommerz

MovieSite
Developed a Django-based movie website featuring movie browsing, search, user authentication, reviews, ratings, and streaming options.

🔗 https://movisite-vsfl.onrender.com
Built a dynamic movie platform with user login, movie categorization, review system, and streaming capabilities using Django.

Django, Movie Website, User Authentication, Reviews, Ratings, Streaming, Search, Web Development

Dream Book

A Django-based online book repository where users can browse, search, and download books. The platform includes user authentication, review system, book categorization, and admin panel for book management. The goal is to create a smart, user-friendly digital library experience.

march -2025

🔗 https://dream-book-886q.onrender.com

Developed a responsive web application using **Python**, **Django**, and **Bootstrap**, featuring **user authentication**, **CRUD operations**, **pagination**, and **search functionality**. Stored data in **SQLite** and designed clean interfaces using **HTML** and **CSS** for an enhanced user experience.

Python, Django, Bootstrap, HTML, CSS, SQLite, User Authentication, CRUD Operations, Pagination, Search Functionality

Smart Urban Agriculture

🔗 https://smart-urban-agri.onrender.com

Developed an IoT and Machine Learning integrated smart agriculture system for urban environments. The system monitors plant health using image-based disease detection and automates irrigation based on real-time sensor data to optimize water usage and improve crop yield.

Skills

Django Development

Proficient in building scalable web applications using Django's MVT architecture, with hands-on experience in user authentication, CRUD operations, database migrations, and static file management across multiple projects like a student management system and MovieSite

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Django, Python, MVT, Authentication, Migrations

Front-End Development

Skilled in creating responsive and visually appealing interfaces using HTML, CSS, and Bootstrap, with a focus on clean design; implemented flexbox, grid layouts, and radial gradients for a portfolio site to ensure consistent styling across sections like projects and skills.

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HTML, CSS, Bootstrap, Responsive Design, Flexbox

Database Management

Experienced in integrating and managing databases like SQLite and PostgreSQL for efficient data handling in web applications, ensuring seamless data operations in projects such as a movie recommendation platform and student management system

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PostgreSQL, SQLite, Database Integration, Data Management

Version Control with Git

Familiar with using Git and GitHub for version control, managing project repositories, and ensuring collaborative development; successfully uploaded projects like MovieSite and a portfolio site to GitHub for sharing and deployment.

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Git, GitHub, Version Control, Collaboration

Machine Learning Fundamentals

Gaining hands-on experience in machine learning concepts, including data preprocessing, model training, and evaluation using Python libraries like scikit-learn; explored applications in predictive modeling through academic projects or self-learning.

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Machine Learning, Python, Scikit-Learn, Predictive Modeling

Interests

Machine Learning

Machine Learning Algorithms Supervised & Unsupervised Learning Deep Learning (Neural Networks, CNN) Data Preprocessing & Feature Engineering Model Training & Evaluation Hyperparameter Tuning TensorFlow & Keras Scikit-learn Pandas & NumPy Matplotlib & Seaborn (Data Visualization)

Languages

Bengali

Native speaker of Bengali, using it for effective communication, documentation, and collaboration in academic and professional settings within Bangladesh.

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English

Proficient in English for technical documentation, project presentations, and professional communication, enabling effective collaboration in global development environments.

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