Sajid Mostafiz Noor

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SajidNoor5051

SUMMARY

Experienced in full-stack development, software engineering, and AI-driven applications with machine learning integration. Skilled in designing scalable, user-centric web solutions, implementing efficient algorithms and data structures, and leveraging AI/ML models and APIs for real-world applications.

EDUCATION

Bangladesh University of Engineering and Technology (BUET) 2022 - 2026
Bachelor of Science, Computer Science and Engineering - 3.66

Notre Dame College 2018 - 2020
Higher Secondary Certificate - 5.00

PROJECTS

BUET Fantasy Premier League

- A fantasy sports platform for BUET Premier League, modeled after FPL, which allows users to create teams, track player performance, view stats, fixtures, and results, and compete via real-time leaderboards. Developed RESTful APIs for data synchronization, implemented scoring algorithms, and deployed on Vercel with optimized performance.

ExamCraft – AI-driven Exam Preparation Platform

- An AI-powered exam preparation platform that enables students to create, manage, and take interactive quizzes and flashcards. It features AI-generated questions from study materials, spaced-repetition flashcards, timed mock exams, and performance analytics, delivering personalized study recommendations through a modern, responsive interface.

Grades Information System

- A comprehensive academic management platform for maintaining student records with a focus on grades management. This project features role-based access for students, advisors, and administrators, enabling course enrollment, advisor approvals, and individual, level-wise, and course-wise result analysis. Includes an admin panel for managing courses, students, notices, and exam routines to ensure efficient academic workflows.

SKILLS

Programming: JavaScript, TypeScript, Java, Python, C, C++
Frontend: React, Next.js, Tailwind CSS
Backend & APIs: Node.js, Express.js, NestJs, FastAPI, REST APIs
Databases & DevOps: MongoDB, MySQL, Git, GitHub Actions (CI/CD), Docker, Vercel
AI & ML: Machine Learning, Deep Learning, TensorFlow, PyTorch, API-based AI integration

Research Interest

Research Paper :
Forecasting Occupational Survivability of Rickshaw Pullers Under in a Changing Climate with Wearable Data : Published in **ACM IMWUT**, this study models the physiological impact of extreme heat on rickshaw pullers using **wearable sensor data** and **Bayesian regression**. It integrates **CMIP6 climate projections** to forecast occupational heat-risk and survivability under future climate conditions. https://dl.acm.org/doi/10.1145/3770712