Muhaiminul Hasan Dihan

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PROJECTS

Research on Point Cloud Technology

- Conducted in-depth research on point cloud processing and noise reduction techniques.
- Implemented algorithms for data visualization and noise filtering.
- Focused on efficient data processing and user-friendly visual outputs.

GI Product-Based E-commerce Website

- Designed and developed a complete e-commerce website to showcase and sell GI (Geographical Products).
- Implemented product categories, user login, shopping cart, and admin dashboard.
- Focused on responsive design and user-friendly interface.

Sentiment Analysis of Movie Reviews

- Developed a movie review sentiment analysis system using NLP and deep learning (MLP, LSTM, Hybrid models) on the IMDB dataset to classify reviews as positive or negative.
- Implemented text preprocessing pipelines including tokenization, stopword removal, padding, and train–test splitting using NLTK and Keras.
- Compared multiple models using accuracy, precision, and recall, where the Hybrid LSTM + Dense model achieved the best performance with improved generalization.

EDUCATION

- **Bachelor of Technology in Mechanical Engineering**
  North South University, Bashundhara, Dhaka   2021 – Present

TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, PHP, Python
- **Web Tools:** Bootstrap, Tailwind CSS, React.js, Node.js, Vite, MySQL, MongoDB
- **Other Tools:** Git, Canva, AutoCAD, MS Office
- **Concepts:** Point Cloud Processing, E-commerce Design, Responsive UI, Data Analysis

EXPERIENCES

- Working as an OD (Official Delegate) in online platform   2020
- Qualified Learnathon Entry Level   2023

ADDITIONAL

- **Languages:** Bangla, English
- **Soft Skills:** Communication, Teamwork, Photography, Critical Thinking