Emtiasur Rahman

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EDUCATION

B.Sc in Computer Science And Engineering   2018 – 2022
Shahjalal University Of Science And Technology, Sylhet   Sylhet, Bangladesh
Sylhet Engineering College
CGPA: 3.61 out of 4.00
Last 4 semester CGPA: 3.80

RESEARCH INTEREST

Extended Reality, Human-Computer Interaction, Computer Vision, Deep Learning

PROFESSIONAL EXPERIENCE

Junior Software Engineer   02/2023 – present
Soft BD Ltd. 🔗   Dhaka, Bangladesh
- A backend team member of Digital Land Record Management System project for the Ministry of Land, Bangladesh, mostly working with NestJS(NodeJS), Oracle and Typescript.

Software Engineering Intern   03/2022 – 10/2022
Technext Limited 🔗   Sylhet, Bangladesh
- I was a member of Frontend team to convert Figma designs into React-Bootstrap and   React-Tailwind templates and made reusable components of 5+ live projects.

RESEARCH EXPERIENCE

Undergraduate Thesis:
A Deep Learning Approach to Detect Plagiarism in Bengali Texual Content Using Similarity Algorithms.
Supervisor: Abu Naser Majumdar, Assistant Professor and Head of the Department, CSE
Plagiarism is the misuse of someone else's words or ideas without proper attribution, affecting various works. This study introduces a deep learning approach using the word2vec method and cosine similarity algorithm to detect plagiarism in Bengali language texts. The model shows strong performance in accurately detecting both original and plagiarized documents.

Publication:
Islam, A., Rahman, E., Chowdhury, A. A., & Mojumder, M. A. N. (2023). **A Deep Learning Approach to Detect Plagiarism in Bengali Textual Content using Similarity Algorithms.** *2023 IEEE International Conference on Contemporary Computing and Communications (InC4)*
DOI: 10.1109/InC457730.2023.10262998
Organized by CHRIST University, School of Engineering and Technology, Bangalore, India.

TEACHING EXPERIENCE

9th to 12th Grade Science Teacher   01/2014 – 12/2017
Sanguine Plus and Radiant Chattogram   Chattogram,
Physics, Chemistry, Mathematics and ICT   Bangladesh

TECHNICAL SKILLS

Programming Languages and Paradigms
C/C++, JavaScript, TypeScript, Python, OOP, MVC

Frameworks, Libraries and Tools
JavaScript Library: ReactJS, ExpressJS, NestJS, NextJS
Database: Oracle, MySQL, TypeORM, MS Workbench
HTML/CSS: HTML5,CSS3, Bootstrap5, TailwindCSS, MUI
Tools: Git, GitHub, GitLab, VS Code, WebStorm, Wamp

PROJECTS

Fluid Support (Website Builder) 🔗
Used Technology: **HTML, CSS & Bootstrap**
- WordPress website builder website.
- I have learnt lots of CSS tricks and reverse engineering during this project

ThemeWagonHire(Job Hiring Agency) 🔗
Used Technology: **ReactJS, Bootstrap 5, Vanilla CSS**
- This is a job hiring agency, a fully responsive Single Page Application.
- Built with react-bootstrap package and some CSS where I need to customize the styling.

WP ERP(Website builder) 🔗
Used Technology: **HTML, CSS, Bootstrap**
- WordPress website builder website including a lot of features and a complete guide for building ERP software.
- I have learned mobile responsiveness through this project and as it has a lot of functionality, this project helped me to ace my beginning frontend knowledge.

Phoenix (e-commerce website dashboard) 🔗
Used Technology: **React, Redux, Tailwind CSS**
- Based on an e-commerce website template consisting of both client side and server side.
- I've used Tailwind CSS for styling and responsiveness.

PROBLEM SOLVING ACTIVITIES

- Solved 600+ problems in various Online Judge.
- Runner-up of SEC intra-Hackathon 2019.

Competitive Programming:
- Contestant, IUPC-2018, Independent University, Bangladesh.
- Contestant, Brain Craft Ltd. Programming Contest 2019, State University, Bangladesh.
- Contestant, IUPC-2019, Shahjalal University of Science and Technology, Sylhet.

CERTIFICATES

Mastering React 🔗	**JavaScript Data Structures and Algorithms** 🔗	**IELTS**
Udemy	freecodecamp	Overall 6.5