

Somiha Tasnim



somiha



somihatasnim



tasnimsomiha@gmail.com



01744924259

EXPERIENCE

CODE STUDIO | JUNIOR SOFTWARE ENGINEER

August 2023 - Present

- Utilizing Node.js, EJS, React.js, MySQL, and API development skills to contribute to web projects at Code Studio.
- Actively improving app features and communication through hands-on API development.

PROJECTS

KANBAN TASK MANAGEMENT || REACT, JAVASCRIPT

- Developed a Kanban Web App enabling easy board and task creation, modification, and deletion for efficient organization.
- Implemented subtask completion, enhancing task detail and progress monitoring.
- Incorporated Drag and Drop for smooth task movement across columns, improving user experience.
- Utilized TailwindCSS, React, and Redux to craft a responsive and seamless UI.

BLOG APPLICATION || REACT, JAVASCRIPT

- Developed a personal blog application that allows users to create, edit, delete and publish their own blog posts..
- Created a dynamic blog dashboard powered by MongoDB, featuring data retrieval and display.
- Implemented functionality to fetch individual posts by post ID, and enabled filtering by username or category name.

STUDENT FEEDBACK SYSTEM || PYTHON, DJANGO, HTML, CSS

- Developed a system for collecting student feedback on a teacher's performance.
- It is only visible to Superadmin which students provide which kind of feedback.
- Admins provide a user's default information. These details can be updated by the user.

RESEARCH

LEARNPERFFUZZ - GENERATING PATHOLOGICAL INPUTS USING GREY-BOX FUZZING WITH KNOWLEDGE ENHANCEMENT

- Developed **LearnPerfFuzz**, a fuzzing tool with a focus on algorithmic complexity.
- Leveraged greybox fuzzing techniques and knowledge enhancement to generate pathological inputs, uncovering vulnerabilities and performance issues that may arise due to complex algorithms.
- **LearnPerfFuzz** was competitively selected for participation in the SBFT'23 Tool Competition, as recognized on the official SBFT'23 website (link: <https://sbft23.github.io/papers/>).

SKILLS

LANGUAGES

JavaScript • C++ • Python

FRAMEWORK/LIBRARIES

React • Node.js • Django

DATABASE

MongoDB • MsSql • MySql

TECHNOLOGIES

Git • VsCode • MacOS • Windows

EDUCATION

JASHORE UNIVERSITY OF SCIENCE AND TECHNOLOGY

BACHELOR'S IN COMPUTER SCIENCE
AND ENGINEERING

Jan 2018 - Jan 2023

Faculty of Engineering and Technology

CGPA: 3.56 / 4.0

JHIKARGACHA MOHILA COLLEGE

HIGHER SECONDARY SCHOOL CERTIFICATE

2017 | Jashore

GPA: 5.0 / 5.0

EXTRACURRICULAR ACTIVITIES

PROGRAMMING CONTEST

- Participated in National Girls' Programming Contest 2021
- NSU Inter University Girls' Programming Contest Season-2 2019
- Participated in Brain Craft Ltd. Bitfest KUET IUPC 2019.
- Participated in National Girls' Programming Contest 2018

OTHER ACTIVITIES

- Participated in "bdapps National Hackathon 2022".
- Solved 150+ programming problems including 60+ problems in Codeforces under the username stasnimjes 70+ in UVA under the username somiha.