

Promi Mojumder

Software Engineering Graduate – Sylhet, Bangladesh

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WORK EXPERIENCE

Shellbeehaken.....
Software Engineer Intern Dec 2024 - May 2025

Full-Stack Next.js Developer

- Built a full-stack Twitter-clone with real-time chat features using WebSockets, Next.js (App Router), MongoDB. Integrated secure OAuth/email login, password reset, and email verification.
- Built modules for the internal HR management system, including CRUD operations for assets, certificates, and achievements. Delivered responsive frontend and backend APIs with file upload, form validation, and dynamic updates aligned with Figma designs.
- Actively participated in agile development: writing production code, fixing bugs, conducting code reviews.
- Used Bitbucket and Git workflows, tracked progress via Jira, and followed company coding standards.

RESEARCH WORK

BERT-Based Emotion Classification in Bengali: Multiclass Sentiment Analysis of Bengali Translations of the Bhagavad Gita

- Preprocessed a 42K-sentence emotion-labeled dataset and trained a verse-level sentiment prediction model.
- Analyzed sentiment in two Bangla Gita translations using fine-tuned Bangla BERT, achieving 89.18% chapter-level alignment.

A Mixed-Methods Study on How Departmental Culture Affects Student Motivation and Future Goals (Ongoing)

- Explored how departmental culture, peer support, faculty behavior, and academic norms shape student motivation and goals.
- Used mixed methods to reveal both statistical trends and personal experiences influencing student ambition and engagement.

Worked as an Intern Researcher at Datakothon Research Lab

- Hands-on research experience in designing experiments, analyzing datasets, and preparing research outputs.

PROJECTS

Eco-Sync.....
DNCC Waste Management Website Mar 2024

Code Samurai Hackathon Project

- Built data entry modules, backend routes, billing features (transport slips, fuel allocation), API documentation, diagram design.
- Tech stack: ReactJS, Tailwind CSS, Node.js, Express.js, MongoDB.

SUST Autorickshaw Management System.....
Autorickshaw Management Website Nov 2023

University Third-year Project

- Developed website to automate SUST's auto-rickshaw management, including document collection & requirement analysis. Features include registration, payment records, bill generation, & scheduling system for efficient daily management.
- Tech stack: ReactJS, CSS, Node.js, Express.js, and MySQL.

SUMMARY

Aspiring academic with a strong foundation in Python and machine learning. Eager to transition into research and pursue impactful work in academia. Also create educational content on YouTube to share knowledge and inspire others.

Achievements

- Runner-up (400+ teams) in Preliminary Round 2, Finalist, Code Samurai Hackathon, Score: 89/100
- 2nd, BUP Project Showcasing
- Top 10, DU ITverse Hackathon
- Top 14, ITverse Project Showcasing
- Problem Setter, Girls in ICT Day Programming Contests (2 times)
- Top 9, SUST SWE Technovent Hackathon by Brain Station 23

EDUCATION

Shahjalal University of Science and Technology

Bachelor of Science - Software Engineering
CGPA: 3.81/4.00

M.C College

HSC - Science
GPA: 5.00 (Talentpool Scholarship)

Blue Bird School and College

SSC - Science
GPA: 5.00 (General Scholarship)

SKILLS

- Next.js, ReactJS, Express.js, Node.js, MongoDB, SQL, Python, Java, C++

IELTS

- Overall 7.5 (L-8, R-7, W-7.5, S-6.5)

REFERENCE

- Dr. Ahsan Habib
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