

KHALED MUSHAHED HOSSAIN

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Professional Summary

As a graduate in Computer Science and Engineering, I am deeply passionate about programming and problem-solving. With expertise in multiple programming languages, I possess a strong understanding of software engineering principles. My goal is to leverage my skills and knowledge to collaborate effectively with cross-functional teams to deliver high-quality and impactful software development projects.

Education

Brac University, Bachelors in Computer Science and Engineering

Mohakhali, Dhaka 1212

- Cumulative GPA: 3.43
- Relevant Coursework: CSE470: Software engineering, CSE471: System Design and analysis, CSE370: Database system, CSE220 & CSE221: Data Structure & Algorithms

St. Joseph Higher Secondary School.

Mohammadpur, Dhaka 1207

- Honors: General Executive in IT club.

Additional Courses

- Relevant Coursework: Relevant Courses from Coursera, Udemy, Datacamp, Forage platforms. More about Certification in [LinkedIn](#).

Skills

- Solving problems using **Python** on Leetcode, Hackerrank. 22 easy, 25 medium, 3 hard in total **50 problems** solved on [Leetcode](#).
- Creating APIs using the **Django** framework.
- Building APIs and projects using **MERN** stack.
- Understanding of syntax of **Javascript** and **Typescript**.
- Usage of **HTML, CSS** for building basic designs.
- Developing websites using **Wordpress** and **Elementor** using themes.

Projects

Job and Internship Portal

Description: This was built using the MERN stack. In the site, we can search for jobs through filtering, create a profile and edit it, post and apply for jobs, multiple login by Users, Companies and Admins. ([Files link](#))

Technical Stack:

- Frontend: ReactJS, a powerful JavaScript library for building dynamic and interactive user interfaces.
- Backend: Node.js and Express.js, a robust combination for creating scalable and efficient server-side logic.
- Database: MongoDB, a flexible and document-oriented database providing efficient data storage and retrieval.

Library Conversational Agent

Description: A chatbot built only for library assistance using different Algorithms and Functionalities with Python language. ([Files link](#))

Features:

- Recommendation system: kNN algorithm, recommends books to users of the library.
- Books summarization: PEGASUS algorithm, summarizes books according to the needs of the user.
- Relevant Query : RoBERTa algorithm, answers queries based on the library information and policy.

Insurance management site

Description: A website built for an online insurance company, to shift all the insurance related work like, user insurance data, new insurance, paying insurance all in one place. ([Files link](#))

Technical Stack:

- Frontend: HTML CSS to build a nice user interface that is easy to navigate and not complicated.
- Backend: PHP, a fast and efficient language for backend that can be used to implement all features .
- Database: mySQL, a flexible and document-oriented database providing efficient data storage and retrieval.