MD FAISAL AHMED

Bashundhara R/A, Dhaka,1229
Bangladesh

+8801868984364

md.faisal3@northsouth.edu

https://www.linkedin.com/in/md-faisal-ahmed-0298b2195/

https://github.com/mdfaisalahmed025

https://mdfaisalahmed.netlify.app/

SUMMERY

I am a computer science and engineering student who found his true passion for web development, especially back-end development. I specialize in Node Js, Express Js and MongoDB and have vital experience building websites and large-scale web applications using frameworks and libraries. Also, I have experience working with Python and Django, .I love the combination of creative and logical-problem solving. And that's why I always try to apply my knowledge in building real-world projects. After all, I am passionate about learning new tools and technologies for building projects.

SKILLS

- javascript(ES6)
- Typescript
- Node Js and NestJs, Express.js, mysql
- GCP-(CI/CD/ Docker/Container Registry/ cloud storage/app engine)
- MongoDB
- Machine Learning
- Git and GitHub
- Slack and Trello
- html. css. bootstrap
- Microsoft Excel, Powerpoint, canvas pro

EXPERIENCE

January 23 - Current

Junior Back-End Engineering | Fly Far Tech

During my tenure as a Junior Backend Engineer at Flyfar Tech, I had the opportunity to work on various projects and collaborate with a talented team of developers. I actively contributed to the development and maintenance of backend systems, helping to ensure the smooth functioning of the applications

key Responsibilities and Achievements

- **API Development**: I was responsible for designing and implementing RESTful APIs using Node.js and NestJs. Working closely with the frontend team, I ensured that the APIs met the requirements for seamless integration with the user interface.

- **Database Management**: I effectively utilized MYSQL to handle data storage and retrieval. I optimized database queries and indexing to improve application performance, resulting in faster response times.

- **Authentication and Authorization**: I integrated secure authentication mechanisms using JSON Web Tokens (JWT) and implemented role-based access control for various user roles within the application.

- PaymentGateway: Throughout my time as a Junior Backend Engineer, I have implemented SSLcommerz, Amarpay, Bkash, and Nagad Payment Gateway for accelerating the payment process.

- **Bug Fixing and Issue Resolution**: I demonstrated proficiency in troubleshooting and debugging backend issues, promptly identifying and resolving software defects to maintain application functionality.

- **Performance Optimization**: I collaborated with the team to identify performance bottlenecks and optimize server-side code to enhance the overall application performance.

- **Documentation**: I took part in documenting the backend APIs and functionalities for easy reference and streamlined knowledge transfer within the team.

EDUCATION

2018-2022

Bachelor of Science | Computer Science and Engineering
North South University | Dhaka, Bangladesh
Current Cgpa :- 3.06/4.00

2016-2017

Higher Secondary School Certificate | Science
Govt. Science College | Dhaka, Bangladesh
Gpa :- 4.92/5.00

2014-2015

Secondary School Certificate | Science
Lalpur Nazrul Islam High School| Dhaka, Bangladesh
Gpa :- 5.00/5.00

EXTRA-CURRICULAR ACTIVITIES

June 2019 - 2022
Sub-Committee | North South University Social Services Club

- Developed ongoing programs using good team communication and collaboration.
- Demonstrated consistent hard work and dedication to achieve results and improve operations.

Projects

- **FlyfarTrips**: Developed and maintained the backend of Flyfartips B2B portal for OTA.FlyfarTrips B2B Portal is a cutting-edge online platform developed to empower travel professionals, travel agencies, and tour operators with a seamless and efficient way to access a wide range of travel services. Here I have developed User-Friendly Dashboard, Flexible Payment Options, and other features.

- **Flyfar-Ladies**: Developed and maintained the backend of Flyfar ladies' website, enabling smooth processing of tour packages, Hotel, Umrah, And Visa module booking, deposit system, and efficient inventory management.

- **Flyfar-Tech**: Developed and maintained the backend of Flyfartech's official website where all the projects of our client and employee details and many functions were implemented.

ACADEMIC AND PERSONAL PROJECTS

● Bangla Hate Speech Detection

This work uses traditional classifiers, deep learning, transfer learning-based classifiers, or a mix of both types of classifiers to detect hate speech. Deep learning is a sort of machine learning that uses data to learn. It may be used to search for patterns in data. Transfer learning is a machine learning that allows a machine-learning algorithm to learn from data that another machine-learning algorithm has already learned. Pretrained approaches have significantly advanced machine learning and natural language processing disciplines, including hate speech identification. These methods were used to identify hate speech. However, we also used Google API to convert text from Bangla to English. After that, the emojis were removed from the data sets, and again that data were converted back to Bangla. Finally, we have the results where the best accuracy is in the GRU and the Attention model, which is 98%. However, the lowest accuracy in the BERT model is 94% for this research.

● Vaccine Hesitancy

Vaccinating populations is crucial to bring the amount of COVID cases down. One of the problems when vaccinating people is that many are hesitant to get vaccinated for various reasons. So if we could predict those who might be hesitant to vaccinate, there could be an effort to help reduce hesitancy. Our paper aims to do just that. We created a predictive model that takes advantage of data from previous work where they collected data from volunteers regarding how they perceive their healthcare system and vaccination in general. By using a machine learning model to predict whether a user is hesitant to get vaccinated or not, we can identify the ones that may be hesitant automatically.

GitHublink:https://github.com/mdfaisalahmed025/Vaccine-Hesitancy-Using-Machine-learning