SHEIKH MD. NAFIS NOOR NABIL

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EDUCATION

BRAC University   **2024**
Bachelor of Science
Department: Computer Science and Engineering (CSE)
CGPA: 3.75/ 4.00

Dhaka Residential Model College   **2019**
Higher Secondary Certificate (HSC), Dhaka Board.
GPA: 5.00/ 5.00

Dhaka Residential Model College   **2017**
Secondary School Certificate (SSC), Dhaka Board.
GPA: 5.00/ 5.00

WORK EXPERIENCE

Student Tutor | BRAC University   **2023**
- Student tutor of STA201: Elements of Statistics and Probability course in Summer 2023
- Student tutor of CSE110: Introduction to Computer Science course in Fall 2023

Remote CSE Tutor   **2023**
- Currently tutoring some Computer Science and Engineering (CSE) students from BRAC University.

RESEARCH EXPERIENCE

Thesis   **2024**

Thesis Title: Protovision: Utilizing Prototypical Networks for Retinal Diseases Classification Based on Few-Shot Learning
Supervisor: Dr. Muhammad Iqbal Hossain
Co-Supervisor: Mr. Rafeed Rahman

Conducting groundbreaking research to develop an automated model utilizing advanced image processing techniques and few-shot learning under the mentorship of Dr. Muhammad Iqbal Hossain and Mr. Rafeed Rahman. The focus is on enhancing retinal disease detection, addressing challenges related to limited datasets through the fusion of few-shot learning algorithms and upgraded image classification techniques. The research also involves a comparative analysis with existing models and highlights challenges and limitations, providing valuable insights for future advancements in the field.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, PHP, SQL, JavaScript, HTML/CSS

Frameworks: React.js, Node.js, Express.js, Tailwind CSS, Postman, Flutter

DBMS: MySQL, MongoDB

Developer Tools: Git & GitHub, VS Code, Visual Studio, PyCharm

Libraries: pandas, NumPy, Matplotlib, TensorFlow

Additional Skills and Tools: Figma, MS Office, Latex

Comfortable OS: Windows, Linux

SOFT SKILLS

- Working under pressure and tight deadlines
- Adaptive to changes and different situations
- Leadership abilities
- Excellent verbal and written communication skill in both English and Bangla.
- Sketching & painting skills

PROJECTS

Blood Bank | *PHP, MySQL, HTML, CSS*   **2022**
- Developed a dynamic web application using PHP, and MySQL which Implemented a user authentication system allowing individuals to log in as either a blood donor or blood receiver. The application allowed users to check availability of blood in the blood bank, search and contact the donor, request or book for blood based on the blood group and location.

Mental Health Care | *PHP, MySQL, HTML, CSS*   **2022**
- Designed and developed a mental health care website where users can perform a quick diagnose of their mental health issues based on a Q&A form. Users can also learn about nearby therapists and book an appointment. Additionally, created a dedicated section providing resources such as videos and guidance for temporary or immediate self-care solutions. Implemented a secure login system for therapists, granting them access to patient information and appointment schedules.

Sentiment Analysis on Amazon Product Reviews | *NLTK, Random Forrest Classifier, Logistic Regression, Naive Bayes*   **2022**
- Used Natural Language Processing for analyzing if a text is positive, negative or neutral based on amazon product reviews.

JobSphere | *MongoDB, Express, React and NodeJS*   **2023**
- A job portal website using MERN stack where employers can post for jobs and recruit employees Implemented personalized user profiles for job seekers, enabling them to browse, apply, and submit their resumes for desired positions. The admin panel allows the administrators to access website analytics, efficiently manage and modify various aspects of the platform.

CarMechanic | *PHP, MySQL, HTML, CSS, JavaScript*   **2023**
- Developed a full-stack web application using PHP, JavaScipt and MySQL which allows users to book car mechanic online. This could check availability of mechanics, appointment timing, book a time for a specific mechanic for vehicle servicing. The admin panel had the ability to change bookings and update mechanic information.

Online Clothing Store | *PHP, MySQL, HTML, CSS, JavaScript*   **2023**
- Built and online clothing store using PHP, JavaScript and MySQL where user can login, buy clothes according to their style. The clothes are categorized based on gender and types. Cart system is implemented where the total price can be seen before checkout. There is a section for donating clothes. There is an Admin panel for managing the orders and modifying the product information.

Sexism Detection| *Tokenizer, LSTM, BiLSTM, GRU*   **2023**
- Used Natural Language Processing to detect if a comment is sexist or not.

EXTRA-CURRICULAR ACTIVITIES

Secretary of BRAC University Film Club
- Event organizing, planning, scheduling & executing.
- Recruiting & guiding members
- Handling financial operations of the department

Senior Executive of Robotics Club of BRAC University
- Event & Decoration Management

INTEREST

Artificial Intelligence, Machine Learning, UI/UX Designing

REFERENCE

Mr. Rafeed Rahman
Lecturer
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BRAC University
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