

TOUHIDUL ISLAM SAAD

PROSPECTIVE GRADUATE STUDENT

CONTACT

✉ saadchowdhury23@gmail.com
🌐 linkedin.com/in/saadsaadsaad/
📍 Dhaka, Bangladesh

CERTIFICATION

IEEE Student Professional
Awareness Venture (SPAVe) 6.0

March 16th, 2023

PARTICIPANT

Certified by IEEE AIUB Student
Branch

EDUCATION

B.Sc. in CSE

American International University-
Bangladesh (AIUB)

January 2022 - Present

EXPECTING GRADUATION IN APRIL
2025

CURRENT CGPA: 3.56

HIGHER SECONDARY CERTIFICATE

Adamjee Cantonment College

2017 - 2019

GPA: 5 OUT OF 5

LANGUAGES

Bangla

English

Français *Alliance Française de Dhaka*

SOFT SKILLS

- Communication
- Teamwork
- Adaptability
- Leadership
- Creativity
- Time Management

ABOUT ME

I am an aspiring BSc Computer Science student with a solid background in data analysis, deep learning, and Node.js development, driven by a passion for research opportunities. I have experience working on projects involving cutting-edge web development frameworks and technologies. One project featured **NextJS** integrated with PostgreSQL, Tailwind UI, and React, creating a robust front-end and database solution. Another centered on backend development with **NestJS**, leveraging PostgreSQL for effective data handling. I studied **Data Science** for my major.

WORK EXPERIENCE

AIUB

Data Analysis

August - September 2024

- Analyzed the Diabetes dataset with 768 entries and 9 medical features such as Glucose, BMI, and Age, with the target variable Outcome indicating diabetes diagnosis.
- Handled missing values by filling them with zeros and ensured data consistency for model training.
- No significant feature engineering was performed; focused on utilizing the raw features for model building.
- Applied Naive Bayes algorithm for classification, predicting whether a patient has diabetes based on medical metrics.
- Achieved an accuracy of 78%, with a confusion matrix showing true positives, true negatives, false positives, and false negatives for model performance assessment.

[Github Link](#)

NextJS

April - May 2024

- Axios for making HTTP requests (API calls in NextJS).
- React core principles including Props, States, and Hooks.
- Next.js features such as routing, rendering, and libraries.
- Custom form validation using Vanilla JavaScript (without relying on HTML validation).
- Tailwind UI for styling.
- Authentication implementation.

[Github Link](#)

NestJS

February - March 2024

- 15 APIs with comprehensive Controller and Service layers.
- Pipes for data transformation and validation.
- File upload functionality.
- Database relationships, including One-to-One and One-to-Many associations.
- JWT authentication alongside Bcrypt for password hashing and session management.
- Robust exception handling mechanisms.
- Email functionality using the Mailer module with SMTP integration.

[Github Link](#)

CORE SKILLS

- Primary Programming Languages [Python, Javascript]
- Other Programming Languages [C++ (OpenGL), Java, C#, R, HTML, CSS, PHP, Tailwind CSS, React, Assembly]
- Database Management [PostgreSQL, PHP Data Objects (PDO)]
- Postman API
- Web Development
- Data Analysis
- Data Structures (Stack, Queue, Linked List, Sorting Algorithm: 'Selection Sort, Bubble Sort, Counting Sort', Searching Algorithm: 'Linear And Binary Search', Binary Search Tree, Uniform Cost Search, Iterative Deepening Depth-First Search)
- Algorithms (Insertion Sort, Merge Sort, Quick Sort, Counting Sort, Divide-And-Conquer, Knapsack Problem, Greedy Algorithm, A*, Hill Climbing, Genetic Algorithms, Breadth & Depth First Search)
- Operating Systems (Ubuntu - Shell Script)
- Networking (Cisco Packet Tracer)