

Shahabuddin Ahmed Khan

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🌐 Shahabuddin | 🌐 Shahabuddin

A freshly CSE graduate and an committed Full Stack web developer with knowledge in MERN stack (React, Node.js, Express.js, and MongoDB), and very familiar with Python, HTML, CSS, Tailwind, and Firebase. I want to work with an innovative team to build user-friendly web applications that are scalable and bring high-quality projects to life. Seeking opportunities to use my skills in web development and to continuously grow in the field of software engineering.

EDUCATION

- **BRAC University** January 2020 - May 2025
B.Sc. in Computer Science and Engineering
◦ CGPA: 3.51/4.00
Dhaka, Bangladesh
- **Queen's School & College** July 2018 - May 2020
Higher Secondary School Certificate
◦ GPA: 5.00/5.00
Dhaka, Bangladesh

PROJECTS

- **Winter Donation Website** [🔗]
Tools: JavaScript, Tailwind CSS, React, MongoDB, Firebase
◦ A website where people can donate clothes
◦ For alert used Toastify, which notifies on success or failure
◦ Applied login with Google via Firebase
- **Student Management System** [🔗]
Tools: HTML5, CSS3, JavaScript(ES6), PHP, MySQL, SCSS, LESS, Bootstrap, Git, MVC Architecture
◦ A multi-tenant MVC application to organise universities, teachers, and students, centralising the academic data.
◦ Implemented role-based access control and session management functions to secure portals so that separation of privileges is ensured.
◦ Used SCSS and LESS to achieve responsive and maintainable styling with a better level of scalability and consistency.
- **Arduino and ESP32 Car Safety Bot** [🔗]
Tools: [Arduino and ESP32]
◦ A Robotic Car Safety System that can detect obstacles using sensors.
◦ Created an LCD display to monitor temperature and distance.
◦ Added motor control logic for autonomous car movement based on sensor inputs.

RESEARCH EXPERIENCE

- **Neurodegenerative Disease Detection Deep Learning Model** [🔗]
B.Sc. Thesis
◦ A model named SadNetV1 which is a combination of MobileNetV2 and some custom layers.
◦ Executed data augmentation and Spatial Attention to achieve 97% accuracy.
◦ Employed Grad-CAM Explainable AI for model explainability

SKILLS

- **Programming Languages:** Python, JavaScript
- **Web Technologies:** HTML, CSS, React, NodeJS, ExpressJS, Tailwind CSS
- **Database Systems:** MongoDB, SQL, Firebase
- **Data Science & Machine Learning:** Matplotlib, Seaborn, TorchVision, PyTorch, Scikit-learn
- **Version Control:** Git, GitHub
- **Specialized Area:** MERN Stack, Full Stack Web Development, Web Application Deployment
- **Other Tools & Technologies:** npm
- **Research Skills:** Algorithm Analysis, Software Development, API Development, Debugging

ADDITIONAL INFORMATION

Languages: English (Fluent), Bangla (Fluent), Hindi (Understanding)