# MD. Saadman Fuad

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## Objective

Motivated Computer Science student at BRAC University with hands-on experience in full-stack web development, embedded systems, and game design. Skilled in programming, problem-solving, and database management. Seeking opportunities to contribute to innovative projects while developing software engineering skills.

## Education

**Bachelor of Science in Computer Science and Engineering**
BRAC University, Dhaka, Bangladesh *Expected Graduation: January 2026*

## Technical Skills

**Languages:** Python, JavaScript, PHP, C/C++
**Web Development:** HTML, CSS, React.js, Express.js, Node.js
**Databases:** MySQL, MongoDB
**Tools/IDEs:** Git, GitHub, VS Code, PyCharm, Arduino IDE, Firebase
**Other:** OOP, Data Structures, Algorithms

## Projects

**Jibonjatra – A Community Web App for Local People's Day-to-Day Needs**
*Technologies: JavaScript, Express.js, React.js, Tailwind, Node.js, MongoDB, Mongoose*

- Applied area-based searching for market items, daily commodities, home rent, and services.
- Created a social media platform where people can post about their life and local area updates.
- Integrated secure access and authentication using JWT.
- Implemented review and star rating mechanism for service providers.

GitHub | Project Link

**Ki Khabo – Online Food Ordering Platform**
*Technologies: HTML, CSS, Tailwind, PHP, JavaScript, MySQL*

- Developed a full-featured food ordering website with real-time admin dashboard for tracking orders, food count, and revenue.
- Implemented user-friendly search and filter functionality to browse and order food by name or category.

GitHub | Project Link

**Gari Lagbe – Vehicle Booking Platform**
*Technologies: HTML, CSS, MySQL*

- Created and managed database schema in MySQL using phpMyAdmin.
- Designed user interface using HTML and CSS for smooth booking experience.

GitHub | Project Link

**Serpent Strike – 2D Snake Arcade Game**
*Technologies: Python, OpenGL (PyOpenGL), GLUT, GLU*

- Developed play/pause and game-over interfaces using PyOpenGL.
- Implemented scoring logic, control button functionality, and shield mechanics.

GitHub

**Multi-Layer Smart Door Security System**
*Technologies: Arduino Uno, Arduino Nano, Fingerprint Sensor, RFID, Keypad, LCD*

- Programmed multi-modal authentication (RFID, PIN, fingerprint) using Arduino Sketch.
- Integrated hardware components and controlled door locking mechanism via servo motor.

GitHub | Video Demo

## Certifications

Machine Learning Specialization – Coursera