

MUSAIB IBN HABIB MIKDAD

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OBJECTIVES

Motivated Computer Science graduate with expertise in web development, research, and project management. Skilled in teamwork, problem-solving, and leveraging technology to drive results. Seeking a challenging role to contribute technical expertise and grow professionally.

EDUCATION

Bachelor of Science in Computer Science and Engineering

BRAC University

Graduation: October,2024

CGPA: 3.40

Higher Secondary Certificate (HSC) in Science

Ishwardi Government College

Year of Completion: 2019

Secondary School Certificate (SSC) in Science

Ikhshu Goveshwana High School

Year of Completion: 2017

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, PHP
 - **Web Development:** PHP, HTML, CSS, JavaScript, React.js, Laravel, Django
 - **Database Management:** MySQL, MongoDB.
 - **Machine Learning/Deep Learning:** TensorFlow, PyTorch
 - **Computer Vision:** Image Augmentation, Object Detection, Annotation
 - **Data Analysis:** NumPy, Pandas, Matplotlib
 - **Version Control Tools:** Git, Github
- Comfortable working with both **Windows** and **Linux** environments, including **Ubuntu**, **Kali Linux**

SOFT SKILLS

- Skilled in **MS Office suite** and **Google suit**
- **Photoshop, Canva, Illustrator, Video Editing, Logo Designing**
- Working Proficiency in **English** and **Bengali**
- **Critical thinker** and **researcher**

WORK EXPERIENCE

Web Development Intern - Prodigy InfoTech (Mumbai, Maharashtra, India)

As a Web Development Intern at Prodigy Infotech, I design responsive websites, optimize performance, enhance user interfaces, and collaborate on innovative web solutions.

RESEARCH WORK

- **Enhancing Infrastructure Detection Using Drone Imagery : A Comparative Analysis Using Machine Learning Models with a Custom Bangladesh-Based Dataset for Improved Urban Planning** (BRAC University | July,2023 – July,2024)

Developed and compared advanced ML models using tailored datasets and temporal data to enhance infrastructure detection and urban planning in Bangladesh.

- **Pattern Recognition in Disaster Response: Leveraging Machine Learning for Twitter Analysis**

Developed a machine learning framework using LSTM and NLP models to analyze Twitter data for real-time pattern recognition in disaster response, enhancing decision-making during crises.

PROJECTS

Web Development Projects

- **Flight Reservation System** - Developed a secure **PHP**-based Flight Reservation System with a user-friendly interface for searching, booking, and managing flights.
- **Bracu Knowledge Nexus** - Developed Bracu Knowledge Nexus, a **MERN** stack platform for course reviews, skill tracking, and enhanced learning insights.
- **StopWatch** - Created a dynamic stopwatch with **HTML**, **CSS**, and **JavaScript**, featuring lap tracking and smooth start, pause, and reset functions.
- **Tic Tac Toe** - Developed an interactive **React** Tic Tac Toe game with win/draw detection, animations, sound effects, and confetti for an engaging user experience.

Academic Projects & Coursework

- **Fire and Smoke Detection System Using Arduino** - Designed a Fire and Smoke Detection System using Arduino, integrating flame and MQ-2 Gas & Smoke sensors to monitor for hazards. The system triggers alarms upon detection and sends real-time mobile notifications via Bluetooth for immediate response.
- **Software Development Life Cycle (SDLC)** - Gained hands-on experience with various software development methodologies, including Agile, Waterfall, and DevOps. Applied these frameworks to manage project lifecycles, ensuring efficient planning, development, testing, and deployment of software solutions.

REFERENCE

Dr. Md. Khalilur Rhaman

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