# Khandoker Wahiduzzaman Anik

### Full Stack Developer & ML Researcher

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### 🚨 Professional Summary

Results-driven Full Stack Developer and Machine Learning Researcher with **2+ years** of experience building scalable web applications and intelligent systems. Specialized in creating end-to-end solutions using **Laravel**, **Angular**, **Node.js**, and implementing ML models for real-world applications. Published researcher in mental health detection systems with expertise in IoT security. Currently developing ML-based IDS for Industrial IoT environments.

# **Work Experience**

### Web Developer

TechKnight Solution

Sept 2025 – Present

Dhaka, Bangladesh (Remote)

- Developing scalable web applications using modern frameworks with focus on performance optimization
- Collaborating directly with CEO and Web Development Department on strategic projects
- Implementing full-stack solutions and contributing to architecture decisions
- Maintaining 99.9% uptime for production applications through robust DevOps practices

# ⟨/> Featured Projects

### Doctors Information Portal | PHP, Laravel, MySQL, Bootstrap | [LIVE SITE]

Oct 2025 - Present

- Healthcare platform connecting patients with medical professionals across Bangladesh
- Built responsive doctor directory with advanced search and real-time appointment booking system
- Designed RESTful API architecture with secure authentication system
- Successfully deployed and serving users nationwide with 99.9% uptime

### TravelEase - Tourism Platform | Node.js, Angular, MongoDB, ML Algorithms

Oct 2024 - Ongoing

- Intelligent tourism and hotel booking platform with ML-powered recommendations
- ML-based recommendation engine for personalized travel suggestions
- Dynamic pricing based on demand with rating-based product categorization

#### Bookwork E-Store | PHP, Laravel, MySQL, Bootstrap

2024

- Full-featured online bookstore with comprehensive e-commerce functionality
- Complete shopping cart workflow with user authentication and order management
- Inventory tracking system with secure payment integration

#### ML-Based IDS for IIoT (Thesis) | Python, TensorFlow, Scikit-learn, IoT

2024 - 2025

- Machine Learning Intrusion Detection System for resource-constrained Industrial IoT devices
- Lightweight ML models optimized for edge computing with real-time threat detection
- Performance optimization for embedded systems with minimal resource consumption

#### Depression Detection in Students | Python, XGBoost, Neural Networks, Pandas

May - Oct 2024

- Published research on ML approach for detecting depression levels in undergraduate students
- Achieved 94.95% accuracy using XGBoost for 6-class classification
- Analyzed dataset of 1,977 students with comprehensive feature importance analysis

### **Education**

BRAC University 2022 – Jan 2026

Bachelor of Science in Computer Science - CGPA: 3.4/4.0

• Specialization: Software Engineering, Machine Learning, Web Development, IoT Security

• Thesis: ML-Based Intrusion Detection System for Industrial IoT on Resource-Constrained Devices

Dhaka Residential Model College

2020

Higher Secondary Certificate (HSC) in Science – GPA: 5.0/5.0

Dhaka, Bangladesh

Dhaka, Bangladesh

Pingna High School

2018

Secondary School Certificate (SSC) - GPA: 5.0/5.0

Pingna, Bangladesh

## Technical Skills

Programming Languages: Python, PHP, JavaScript, Node.js, Java, C

Frameworks & Libraries: Laravel, Angular, React, Django, Bootstrap, Tailwind CSS

Databases: MongoDB, MySQL, Database Design

Web Technologies: HTML5, CSS3, JavaScript, REST APIs, Responsive Design, SPA

Machine Learning: XGBoost, Neural Networks, SVM, KNN, Scikit-learn, TensorFlow, Pandas Tools & Technologies: Git/GitHub, IoT Security, Cyber Security, Testing & QA, UI/UX Design

### The Achievements & Leadership

Senior Executive – BRAC University Computer Club

2023

Published Research – Depression Detection with 94.95% accuracy

2025

Perfect Academic Performance - GPA 5.0 in both HSC & SSC

2018, 2020

#### **™** Interests & Hobbies

Gaming, Coding, Football, Reading, Travel, AI Collaboration, Cyber Security

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English (Fluent), Bengali (Native), Spanish (Conversational)