

# Md. Abdul Ohab Sarker

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## CAREER OBJECTIVE

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Software Engineer with a strong academic foundation in core computer science areas, including software engineering, system optimization, databases, and computer networks. Experienced in IT operations, system management, and web development through professional roles. Adept at combining theoretical knowledge with hands-on project execution to deliver innovative and practical solutions, effectively bridging the gap between academia and industry.

## PROFESSIONAL EXPERIENCE

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### Earthface IT

September 2025 – Present

Mid-Level Software Developer

Recently I joined as a Mid-Level Software Developer at Earthface IT, where I focus on developing and maintaining web applications, overseeing system operations, and ensuring the stability of existing platforms by maintaining legacy codebases. My role involves collaborating with cross-functional teams to deliver scalable solutions, optimizing workflows, and contributing to the continuous improvement of software quality and performance.

### Byapon Youth Science Magazine

January 2024 – July 2025

Software engineer & Technical Operations

- ❖ Manage and maintain the IT infrastructure, including system upgrades, preventive maintenance schedules, and cross-departmental technical support.
- ❖ Lead cross-functional teams in strategic planning, documentation, and workflow development to enhance operational efficiency.
- ❖ Designed, developed, and deployed the organization's official website, overseeing both front-end and back-end architecture and ensuring timely project delivery.
- ❖ Implement and manage integrated social media and digital marketing strategies, contributing to significant increases in online engagement and print circulation.

## WORKPLACE CONTRIBUTIONS

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### 1. Byapon Magazine Website

[Site Link](#)

Led the development of a Laravel-based digital publishing platform featuring multi-author blog support, interactive Q&A modules, and user-generated content with administrative moderation. Deployed on cPanel with full production configuration.

**Technologies:** Laravel, Livewire, Blade, Tailwind CSS, MySQL, Alpine, JavaScript, cPanel, CI/CD

### 2. Office Management Suite

Developed a fully-featured Excel-based office management solution with automated accounting workflows, inventory tracking, stock circulation logs, and monthly report generation. Integrated Google Sheets with Apps Script for cloud-based enhancements and collaboration.

**Technologies:** Microsoft Excel, Google Sheets, Apps Script

### 3. Event Landing Page

Designed and implemented a responsive landing page for event promotion, including an admin panel for content management and real-time updates.

**Technologies:** Laravel, PHP, Tailwind CSS, MySQL

## PERSONAL PROJECTS

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1. **Bangladesh Innovative Society Website** [Site Link](#)  
Developed a digital platform with user registration, automated email delivery, admission card generation, and a searchable participant database. Configured high-volume email delivery on cPanel.  
**Technologies:** Laravel, Tailwind CSS, MySQL, cPanel
2. **Quran Website** [Beta Site](#)  
Built a responsive web platform for Bengali Quran translation with dynamic navigation (by Surah, page, or full text), optimized for both desktop and mobile users.  
**Technologies:** Laravel, Tailwind CSS, MySQL
3. **Chat Server Deployment**  
Configured and deployed a real-time chat server on a Linux VPS, integrating user authentication, message handling, and persistent storage. Optimized server performance using process management tools and secure configurations.  
**Technologies:** Linux, Apache, PM2, MySQL

## TECHNICAL SKILL

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Programming (C/C++/**Python/Java**), Data Structures & Algorithms, Object-Oriented Programming (**Java**), Database Systems (**MySQL/MongoDB**), Web Programming (**PHP/Laravel, Node.js, Flask, React, JavaScript**), UI/UX Design (**Tailwind CSS, React**), Software Engineering, and DevOps Tools & Technologies (**Git, CI/CD, Docker, Linux, REST API, Apache, cPanel**).

## EDUCATION

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**Bachelor in Computer Science and Engineering (CSE)** 2019 – 2023  
Southeast University, Dhaka

## RESEARCH EXPERIENCE

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### Generating Image Samples Using Generative Adversarial Networks (GANs)

Undergraduate Thesis

Supervisor: Md. Ashiqur Rahman, Assistant Professor, Department of CSE, Southeast University

- Developed custom GAN model architectures to generate realistic synthetic images from large-scale datasets.
- Implemented and utilized a validator (discriminator) model to rigorously evaluate and authenticate generated images.
- Used multiple classification metrics to assess model reliability and validate output quality.

## CERTIFICATIONS

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1. Python Programmer Bootcamp [Link](#)
2. Programming for Everybody (Getting Started with Python) [Link](#)

## COMPETITIVE PROGRAMMING

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1. Solved 700+ problems in online judges (**Codeforces, Codechef, UVa, Atcoder, Hackerrank, Leetcode** etc.)
2. Participated in ICPC Dhaka Regional Preliminaries and multiple Intra-University programming contests.

## ADDITIONAL INFORMATION

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1. Served as core organizing team member for the **Ibn Al-Haytham Science Fest 2024**, leading strategic planning, logistics coordination, and successful event execution.
2. Organized the **National Youth Science Olympiad** in collaboration with Bangladesh Innovative Society, managing participant coordination, event logistics, and nationwide competition execution reaching 1000+ students across multiple divisions.
3. Published multiple **scientific articles** in Byapon Youth Science Magazine, contributing to youth science education and technology awareness through engaging content.