

Sudipta Kumar Das

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Objective

Results-driven Software Engineer and Computer Science graduate with a strong foundation in full-stack web development, database management, and data-driven systems. Proactive researcher and educator experienced in translating complex technical architectures into accessible learning modules, optimizing monitoring pipelines, and executing quality assurance processes. Adaptable and analytical, combining hands-on technical expertise in database and application design with a proven capability for instructional training, technical documentation, and cross-functional collaboration.

Experience

Instructor, CS *Oct 2025 – present*
American International University-Bangladesh

Trainee Backend Developer *Oct 2025*
Softvence IT Limited (Betopia Group)

Commercial Software Development - PHP training *May 2025 – July 2025*
Transition

- Gained strong Symfony proficiency with dependency-injection patterns and custom bundles
- Built a real-time Slides-style presentation platform with live collaboration features
- Built an advanced Symfony form builder with Salesforce integration and a companion analytics app

Projects

Formulate | Formalytics | Live Formulate | Live Formalytics *May 2025 – July 2025*

Integrated advanced Symfony form builder with Salesforce OAuth sync and analytics visualization

- Built Formulate: advanced Symfony form builder (PHP & Twig) with dynamic fields, validation, likes, comments, visibility rules, and workflow automation
- Integrated Salesforce OAuth for CRM synchronization
- Developed Formalytics: Symfony extension leveraging Formulate's RESTful API for user-specific analytics
- Rendered real-time charts with Chart.js & vanilla JS while securing data access per user

Inventory Management System | Demo *Apr 2025 – May 2025*

Core-PHP ERP for stock tracking plus CLI maintenance tool

- MySQL schema & PHP CRUD services
- Bootstrap UI for live inventory updates
- PHP CLI utility for backend maintenance

Cardiovascular Mortality Prediction (Voting Classifier)

Developed a machine learning system to predict mortality risk using patient health records; aimed at assisting healthcare professionals in prioritizing care.

- Data preprocessing: handled missing values, feature scaling, and encoding
- Models: Voting Classifier combining Logistic Regression, Decision Tree, Random Forest, and SVC
- Outcome: ~77% accuracy; valuable for decision-making in limited-resource settings

Skills

Programming & Frameworks: PHP, Java, C++, C#, Symfony, Java Spring Boot, .NET, NestJS

Databases: MySQL, PostgreSQL, Microsoft SQL

Frontend Technologies: HTML, CSS, JavaScript, Typescript, Angular js, React, Twig, Bootstrap, Tailwind CSS

Research Tools: LaTeX, MATLAB, Python (for AI/ML experiments)

Version Control & Deployment: Git, GitHub, Hostinger, Namecheap

Education

American International University-Bangladesh

Master of Science in Computer Science

408/1, Kuratoli, Dhaka

Oct 2025 – present

Jahangirnagar University

MSCS under PMSCS in Computer Science

Savar, Dhaka-1342

May 2025 – July 2026

- Approx. CGPA : 3.944/4.00

American International University-Bangladesh

Bachelor of Science in Computer Science & Engineering

408/1, Kuratoli, Dhaka

May 2020 – Feb 2024

- CGPA : 3.92/4.00

Dhaka Imperial College

Higher Secondary School Certificate in Science

Jahurul Islam City, Aftab

Nagar, Dhaka

July 2017 – Apr 2019

- GPA : 4.42

Motijheel Govt. Boys' High School

Secondary School Certificate in Science

Outer Circular Road, Moti-

jheel, Dhaka

Jan 2015 – Feb 2017

- GPA : 5.00

Publications

Enhancing Image Encryption with Quadrant-Based Layered Multi-Key Systems

Dec 2024

Abu Juha Ahmed Muid, **Sudipta Kumar Das**, MD Sydur Rahman, Dr. Md. Mahbubur Rahman

<https://doi.org/10.47191/ijmcr/v12i12.02> (International Journal of Mathematics And Computer Research)

Achievements

- **DEAN's List Honors** - Received 4 times for brilliant academic performance
- **Academic Scholarship** | [PDF](#) - Financed by AIUB

Certifications

- **IELTS** - B2(6.5) - Listening(6.5), Reading(7.5), Writing(6), Speaking(6.5)
- **CISCO** - Received from CISCO Networking Academy

Extracurricular Activities

- **IEEE AIUB Student Branch** - Member for 1 year
- **Mentor** - Taught core programming concepts (e.g., OOP) to students during B.Sc. at AIUB