



# Uday Dey

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[udayday4.ud@gmail.com](mailto:udayday4.ud@gmail.com) | [github.com/UdayDey-Boss](https://github.com/UdayDey-Boss)

 [udaydey](https://www.linkedin.com/in/udaydey) | Portfolio: [udaydey-boss.github.io](https://udaydey-boss.github.io)

## Profile

Motivated Computer Science & Engineering student with a strong foundation in **software development** and **full-stack web development**. Skilled in **C#, MVC, HTML, CSS, JavaScript, PHP, SQL, MySQL, and Git/GitHub** through academic projects. Passionate about building practical web applications, solving real-world problems, and continuously learning new technologies. Seeking a Software Engineering Role to apply my technical skills, contribute to real-world projects, and grow as a **Full-Stack Developer**.

## Technical Skills

- Programming Languages: **C#, JavaScript, PHP, SQL, Python**
- Web Technologies: **HTML5, CSS3, AJAX, JSON**
- Frontend Frameworks & Libraries: **Next.js, TypeScript, Tailwind CSS, Framer Motion**
- Frameworks & Architecture: **MVC Architecture**
- Databases: **MySQL, Oracle Database, Microsoft SQL Server**
- Development Tools: **Visual Studio, Visual Studio Code, Git, GitHub**
- Database Tools: **phpMyAdmin**
- Microsoft Office: **Word, Excel, PowerPoint**

## Education

### B.Sc. in Computer Science & Engineering

Aug 2022 - Present

American International University-Bangladesh (AIUB) - Dhaka, Bangladesh

CGPA: 3.21 out of 4.00

### Higher Secondary Certificate (HSC)

2021

Dhaka Imperial College

Group: Science

GPA: 4.75 out of 5.00

### Secondary School Certificate (SSC)

2019

Dhaka Collegiate School

Group: Science

GPA: 4.67 out of 5.00

## Certifications

### IT Essentials: PC Hardware and Software

Dec 2022

Cisco Networking Academy

## Projects

### Library Management System | Team Leader

Academic Project | **PHP, HTML5, CSS3, JavaScript, AJAX, JSON, MySQL, MVC Architecture**

- Led a team of four members to design and develop a **web-based Library Management System application** using **MVC Architecture**.

- Developed the **Member Authentication** and Profile module, implementing **secure user registration, login, role-based authentication, session management, and profile management**.
- Implemented **secure database operations** using **prepared SQL statements, server-side validation, and AJAX-based dynamic functionality** with **PHP, JavaScript, and MySQL**.
- Project Link: [github.com/UdayDey-Boss/-Web\\_Project\\_Spring\\_25\\_26\\_G2.git](https://github.com/UdayDey-Boss/-Web_Project_Spring_25_26_G2.git)

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### Bazar Hisab – Smart Shopping & Expense Tracker • LIVE

Personal Solo Project | PHP, MySQL, JavaScript, AJAX, JSON, MVC, Web Speech API

- Developed a **full-stack MVC web application** using core **PHP and MySQL** to digitize household expense management. Built an **interactive dashboard with real-time expense summaries, expiry alerts, and a one-click PDF/Print export module for business-ready reporting**.
- Engineered an **intelligent Voice Command system** using the **Web Speech API** with a custom **Bangla parsing algorithm**, enabling accurate extraction of item names and quantities from Bangla voice input.
- Implemented secure user authentication using **bcrypt password hashing** and **prepared statements** to protect against **SQL injection**. Built **AJAX-driven CRUD operations** (Add, Edit, Delete, Buy) to deliver a smooth, app-like experience without page reloads.
- Project Link: [github.com/UdayDey-Boss/Bazar-Hisab.git](https://github.com/UdayDey-Boss/Bazar-Hisab.git)
- Live Site: [bazarhisab.page.gd](https://bazarhisab.page.gd)

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### Interactive Developer Portfolio

Personal Solo Project | Next.js, TypeScript, Tailwind CSS, Framer Motion

- Developed a **responsive personal portfolio website** using **Next.js, TypeScript, Tailwind CSS, and Framer Motion** to present projects, applied skills, and certifications in a clear, engaging way.
- Implemented **interactive skill-to-project highlighting, certificate lightboxes, and reusable React components** with smooth animations for a polished user experience.
- Optimized the site with **SEO-friendly metadata and fully responsive layouts**, then deployed it using **GitHub Pages** for fast, reliable public access.
- Project Link: [github.com/UdayDey-Boss/UdayDey-Boss.github.io](https://github.com/UdayDey-Boss/UdayDey-Boss.github.io)
- Live Site: [udaydey-boss.github.io](https://udaydey-boss.github.io)

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### Co-Curricular Activities

- Member of the **Winning Team – Robot Soccer Competition, AIUB CS FEST 2024**

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### Personal Attributes

- **Problem-Solving & Logical Thinking**
- **Leadership & Collaboration**
- **Quick Learner**

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### Languages

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| Bangla | Native | English | Conversational |
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### Reference

#### Samiha Islam Abrita

Lecturer, Department of Computer Science  
American International University, Bangladesh

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