

Sajid Hasan Mahir

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SUMMARY

Final-year Computer Science & Engineering student seeking an entry-level Software Engineering position where I can apply programming knowledge, problem-solving ability, and passion for building intelligent systems. Interested in software development, artificial intelligence, and modern software technologies.

EDUCATION

2022–Present	BSc in CSE , American International University-Bangladesh	CGPA: 3.79
2021	HSC , Dilwara Jahan Memorial College	GPA: 4.83
2019	SSC , Chittagong Govt. High School	GPA: 4.22

TECHNICAL SKILLS

Languages:	HTML, CSS, JavaScript, Python, C++,C#, Kotlin, Java
Technologies & Frameworks:	React.js, Next.js, Node.js, REST API, Postman, JWT
Databases:	PostgreSQL, MySQL, Firebase
Tools:	Git, GitHub, VS Code, Google Colab, Arduino IDE,Android Studio, LaTeX

PROJECTS

StoryNight — PHP, MySQL, JavaScript, HTML, CSS [GitHub Repository](#)

- Built a full-featured cinema booking platform with separate Admin, Manager, and Customer dashboards for streamlined system management.
- Developed core functionalities including movie listing, ticket booking and cancellation, real-time seat availability updates, and personalized account settings.
- Implemented administrative controls for user role management, movie discounts, media uploads, and downloadable PDF e-tickets to enhance the overall user experience.

CD Shop Management System — C#, Windows Forms, SQL Server [GitHub Repository](#)

- Designed and developed a shop management application to manage CD stock, customer information, employee activities, and daily sales in one centralized system.
- Integrated role-based access, automated billing, stock updates, sales tracking, and printable bill generation for efficient shop operations.

Movie Ticketing System — Java, Java Swing, OOP, File Handling [GitHub Repository](#)

- Built a movie ticket booking desktop application featuring authentication, password recovery, and personal dashboard functionality.
- Engineered modules for ticket purchase, profile updates, viewing ticket prices, and maintaining booking history with real-time seat deduction logic.
- Applied OOP principles and persistent text-file storage to organize users, movies, and purchase records efficiently.

Home Automation Project — Arduino, C++, SIM900A, DS3231 RTC, Relay Module [GitHub Repository](#)

- Built an embedded automation system for remotely controlling a motor and lights using GSM call-based commands.
- Used RTC-based scheduling to automatically operate two bulbs during specific night-time hours.
- Added safety and reliability features including authorized-number validation, motor auto-off timer, GSM

reset handling, and watchdog-based system recovery.

Bird Hunting Game Suite — C++, OpenGL (GLUT),Code::Blocks

[GitHub Repository](#)

- Developed a desktop computer graphics game suite featuring Car Obstacle, Space Shooting, and Bird Hunting with a unified cover screen and menu-driven navigation.
- Implemented real-time animation, keyboard and mouse-based gameplay, collision detection, sound effects, and persistent high-score tracking using file handling in C++.

TOOR-TAJA — Next.js, NestJS, PostgreSQL, Pusher

[GitHub Repository](#)

- Created a full-stack e-commerce application for grocery shopping with role-based dashboards and streamlined order workflows.
- Added cart, checkout, seller story approval, payment processing, review system, and real-time notification functionalities.

PUBLICATIONS & ACHIEVEMENTS

Publication: “Impact of Competitive Programming Skill on Career Development and Job Success.” Presented at the First National Research Conclave 2024 at Military Institute of Science and Technology.

Certification: CISCO IT Essentials (2022)

[Credential Link](#)

VOLUNTEERING

Bangladesh Red Crescent Society

Served as a blood donor