

MD. ABU TOWSIF

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PERSONAL STATEMENT

Highly motivated Computer Science student with an excellent academic background and a passion for Software Engineering and Machine Learning. A fast typist and quick learner, always eager to explore new technologies and develop efficient, scalable, and intelligent solutions. Strong problem-solving skills and a keen interest in building innovative software. Currently seeking internship opportunities in backend or full-stack development.

EDUCATION

American International University-Bangladesh	2022 – 2025
<i>B.Sc. in Computer Science and Engineering, Major in Software Engineering</i>	CGPA: 3.99/4.00
<i>Relevant Courses: Advanced Web Technologies, Advanced Dot Net, Software Quality and Assurance Testing</i>	
<i>Machine Learning, Data Science</i>	
Bogura Cantonment Public School & College	Bogura, Bangladesh
HSC	2020 GPA: 5.00
SSC	2018 GPA: 5.00

PROJECTS

Elvate – E-commerce Platform NestJS, TypeScript, PostgreSQL, TypeORM, JWT GitHub	Spring 2024 - 25
<ul style="list-style-type: none">• Built a robust backend for an e-commerce platform using NestJS, TypeORM, and PostgreSQL with modules for products, categories, cart, and promotions• Implemented JWT-based authentication and role-based access control (RBAC) for secure API endpoints• Developed RESTful APIs with proper validation, error handling, and documentation using Swagger• Configured email handling using Nodemailer and integrated Swagger API documentation• Handled static asset management for user-uploaded images and optimized backend performance for scalability	
Event Buddy – Event Management System NestJS, TypeScript, PostgreSQL, TypeORM, JWT GitHub	Spring 2024–25
<ul style="list-style-type: none">• Developed a RESTful backend for event management with JWT-based authentication and RBAC for users and admins• Handled booking rules (capacity, max limit, date check) and implemented event photo uploads with static file handling• Designed a relational schema with Users, Events, Bookings, and Photos; documented endpoints with Swagger for public/user/admin roles	
Khela Ghor C#, MySQL GitHub	Fall 2023 - 24
<ul style="list-style-type: none">• Developed a Windows application using C# with Windows Forms and .NET Framework for offline gaming• Implemented user authentication, including registration, login/logout, and password management• Designed and integrated multiple games such as Car Racing, Arcade Game, Snake, Helicopter Shooter, and Running Game• Built a scoreboard system to track player rankings and high scores	
ADventure HTML, CSS, PHP, JavaScript, MySQL GitHub	Fall 2024 - 25
<ul style="list-style-type: none">• Developed a full-stack advertisement platform integrating businesses, users, and administrators• Implemented targeted ad campaigns with real-time performance analytics• Built an admin dashboard for content moderation, analytics, and platform management• Designed personalized ad recommendations with filtering feature	

TECHNICAL SKILLS

Languages: C++, Java, Python, SQL, JavaScript, HTML/CSS, PHP, R
Frameworks: NestJS, React, Node.js, Express, Next.js
Developer Tools: Git, VS Code, Visual Studio, RStudio
Databases: PostgreSQL, MongoDB, MySQL
Fast Typing: 135 WPM at Monkeytype, 230+ hours of typing experience at Monkeytype

AWARDS & CERTIFICATIONS

Dean's List: Awarded Dean's List Honorable mention award for academic excellence
Intra AIUB Programming Contest 2024: Secured 20th position
Stanford University's Code in Place: Successfully completed and earned certification
General Stipend Scholarship: Awarded general stipend scholarship in the SSC - 2018 examination