

Avirupa Das

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GitHub: <https://github.com/Avirupa-Das>

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Career Objective

Aspiring software engineer with strong skills in ASP.NET MVC, PHP , database management, Java and Spring Boot eager to contribute to innovative and efficient software solutions.

Educational Qualification

BSc in Computer Science and Engineering

(2022 - Present)

American International University-Bangladesh

CGPA :3.90 out of 4.00

Major : Software Engineering

Higher Secondary Certificate

(2020)

Young Women's Christian Association Higher Secondary Girls' School and College

GPA:5.00 out of 5.00

Secondary School Certificate

(2018)

Agrani School and College

GPA :4.94 out of 5.00

Projects

- **VitaScript:** Developed a Prescription & Pharmacy Management System using ASP.NET MVC, HTML, CSS, and Vanilla JS, MS SQL Server enabling digital prescriptions, patient appointments, inventory management, payments, and analytics dashboards. Integrated and tested REST APIs for smooth system communication, ensuring reliability through Postman. (<https://github.com/Avirupa-Das/Vitascript>)
- **Core Rights:** Developed a Human Rights Issue Reporting Platform using PHP, MySQL, HTML, CSS, and JavaScript, including a Representative Module for streamlined issue tracking and management. (<https://github.com/Avirupa-Das/Core-rights>)
- **EggVenture:** Developed a C++ GlutUI-based game inspired by Humpty Dumpty, featuring multi-level challenges, obstacle navigation, and collectible point systems. (<https://github.com/Avirupa-Das/Eggventure>)
- **UMS Database:** Designed an Oracle-based University Management System database, optimized for efficient data storage, retrieval, and academic record management. (<https://github.com/Avirupa-Das/UMS>)
- **Law firm management system :** Designed and developed a software solution using .NET and MS SQL to streamline legal services by enabling users to explore law firms, select lawyers, access consultations, and support the modernization of the legal system. (<https://github.com/Avirupa-Das/Lawfirm-Management-System>)
- **Skill Spot:** Developed a Spring Boot backend for an Internship Portal, implementing JWT security, Spring JDBC, and AOP logging, with features for internship postings, applications, hiring workflows, and performance reporting. Integrated and tested REST APIs for smooth system communication, ensuring reliability through Postman. (https://github.com/Avirupa-Das/apwj_final/tree/main/Project/internship)
- **Library Management System:** Developed a Spring Boot backend with JWT security, Spring JDBC, and AOP logging for managing library operations, supporting user authentication, book borrowing/returns, wishlist & cart, invoicing, and admin-level reporting. Integrated and tested REST APIs for smooth system communication, ensuring reliability through Postman. (https://github.com/Avirupa-Das/apwj_final/tree/main/Project/LibraryManagement)
- **Inventory Management System:** Developed a Spring Boot backend with JWT security, Spring JDBC, and AOP logging, integrating product & sales management, inventory tracking, discount handling, authentication, and automated email invoicing.

Integrated and tested REST APIs for smooth system communication, ensuring reliability through Postman.
(https://github.com/Avirupa-Das/apwj_final/tree/main/Project/Inventory%20and%20Sales%20Management%20System)

- **Audio Amplifier (Demo):** Built an audio amplifier prototype capable of dynamic sound adjustment based on user input, delivering enhanced sound quality and control. (<https://github.com/Avirupa-Das/Audio-Amplifier>)
- **Smart Automated Farming System:** Built an Arduino-based farming automation system for automated watering and water quality monitoring, improving efficiency in agriculture and pisciculture. (<https://github.com/Avirupa-Das/Smart-Automated-Farming-System>)

Skills

- **Programming Languages:** Java, C#, PHP, C++, JavaScript, Python
- **Web Technologies:** HTML, CSS, ASP.NET MVC, SpringBoot
- **Databases:** MySQL, Oracle, MS SQL
- **Operating Systems and Tools:** Figma, Linux, Windows, Git/Github, MS Office
- **Soft Skills:** Problem solving, Time management, Adaptability, Critical thinking, Team work

References

Name: Sazzad Hossain
Assistant Professor, American International University-Bangladesh
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