

Nilay Das

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SUMMARY

A technically proficient and highly motivated computer science student with a natural curiosity for exploring cutting-edge technologies and creating innovative solutions to complex problems. Proficient in programming languages such as Java, Python, PHP, and SQL, with hands-on experience in software and web development, database management, computer networking, and IT administration. Possesses excellent analytical and problem-solving skills, coupled with a keen eye for detail, resulting in high-quality project delivery that exceeds expectations. An effective communicator and collaborative team player who is always eager to learn and adapt to new challenges. Driven by a passion for continuous improvement and self-development.

CO-OP STATUS

- Will have completed four of eight academic terms in April 2023
- Will be available for first Co-op term in Fall 2023

EDUCATION & CERTIFICATIONS

Bachelor of Applied Computer Science, Dalhousie University, Halifax, NS • Expected in 09/2025

Courses include:

- Software Development
- Server-side Scripting
- Data Structures and Algorithms
- Database Systems

Certifications:

- Technical Support Fundamentals (Google)
- The Bits and Bytes of Computer Networking (Google)
- Operating Systems and You: Becoming a Power User (Google)

SKILLS

- Proficient in a variety of programming languages including but not limited to Java, Python, SQL, PHP, Aseba, and JavaScript.
- Developed projects using popular frameworks and libraries such as Bootstrap, jQuery, CodeIgniter4, and ReactJS.
- Possess knowledge of both implementation and the advantages and disadvantages of many data structures, including linked-list, binary trees, graphs, and more.
- Knowledgeable about standard guidelines for code documentation and writing clean and readable code. Familiar with popular IDEs such as Visual Studio Code, IntelliJ, NetBeans, and Atom.
- Experienced in utilizing information security tools such as Linux Shell Scripting, Wireshark, Nmap, and Cisco Packet Tracer for identifying system weaknesses, conducting penetration tests, and simulating firewalls.
- Skilled in using version control systems for software development including Git. Familiar with popular version control platforms such as GitHub and GitLab.
- Acquainted with Agile Methodology in Project Management and experienced with using project management tools such as Jira.
- Experienced with the front and back end of the web development process. Developed full-stack dynamic websites using popular technologies including HTML, CSS, JavaScript, PHP, and MySQL databases.
- Familiar with using a host of essential developer and IT software tools such as MAMP, XAMPP, Laragon, FileZilla, Oracle VirtualBox, Docker, TeamViewer, Microsoft SQL Server, etc.
- Proficient in debugging, refactoring, extending legacy codebase, and test-driven development. Familiar with testing frameworks such as JUnit5.
- Experienced in IT Administration, Troubleshooting, and Computer Networking. Skilled in using Microsoft Office Suite - Word, Excel, PowerPoint, and Teams.
- Familiar with using Operating Systems including Windows, macOS, Linux, Android, and iOS.
- Interpersonal Skills: Adaptability, Quick Learner, Effective Communicator, Team Player, Customer Relations, Time Management
- Bilingual: English and Bengali.

PROJECTS

- cricketnovascotia.ca
 - Collaborated with a diverse team of 9 students to build the dynamic website.
 - Contributed as a full-stack developer in the team responsible for both front-end and back-end aspects.
 - Developed multiple important features in the admin panel such as adding/editing registered users, creating a main dashboard to view a summary and insights of every activity on the website, use of custom admin email credentials, and worked on overall webpage responsiveness and code migration for CodeIgniter4.
 - Solved security issues of the website using SSL encryption and webpage responsiveness issues using Bootstrap.
 - Various technologies used include Git, Jira, MySQL, HTML, CSS, JavaScript, and PHP.
- Personal Portfolio Website
 - A fully responsive and dynamic website developed using HTML, CSS, JavaScript, and jQuery on the front-end and the back-end was implemented using PHP.
 - Developed features such as dynamic text output and animations, use of form APIs to extract data from input form to receive the information in an email, and worked on overall webpage responsiveness and hosting.
 - Solved slow website speed issues by optimizing images and videos, minimizing CSS and JavaScript files, and using caching plugins.

WORK EXPERIENCE

Customer Service Associate, Dalhousie University Event & Conference Services

Dalhousie University, Halifax, NS • 05/2023 - Current

- Greeting and welcoming guests with a friendly and professional demeanor.
- Checking guests in and out of the residence and handling their room reservations.
- Managing payment transactions, including processing credit cards and cash.
- Keeping accurate records of guest information, reservations, and room inventory in the Kx system software.
- Ensuring all safety and security protocols are followed.

Customer Service Professional, H&R Block

Brunswick Street Office, Halifax, NS • 01/2023 - 04/2023

- Creating a welcoming and open atmosphere while greeting clients coming into the office.
- Performing administrative tasks such as booking appointments, billing, photocopying, and filing.
- Answering incoming calls, responding to emails, and transferring calls to the relevant departments.
- Maintaining accurate records of client information and registering clients in the CIS system software.
- Resolving customer complaints and handling client inquiries and requests.

AWARDS

- Sexton Scholar List, 2022 and 2021, Dalhousie University
- Dean's List, 2022 and 2021, Dalhousie University
- Entrance Scholarship, 2021, Dalhousie University

VOLUNTEER ACTIVITIES

- Dalhousie Computer Science Society Volunteer, Dalhousie University
 - Helped in organizing and running various events and providing peer tutoring and support.
- ShiftKey Labs Volunteer, Dalhousie University
 - Worked on various initiatives to support the organization's mission and goal and participated in research programs.
- Tech Support & Administrator, Islamabad Collegiate School
 - Provided technical support to users, troubleshoot hardware/software issues, and maintained the computer network systems.