Farjana Bintay Kamal

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LinkedIn Portfolio

⦿ Edmonton, Alberta, Canada

Skills and Expertise

- 4 years of experience in Python, C#, C, C++, SQL programming, PHP, MS Suite (Microsoft Word, Excel, VBA, Macros, Access), HTML, JavaScript, and CSS.
- 3 years of experience in using Android Studio, Python, and Gurobi Python Modeling
- 1 year of experience in Angular, React, and .NET framework.
- 2 year of experience in Git, Jira, BitBucket, Microsoft Azure

Work Experience

Software Developer   February 2023 - Present
Onware Inc.,Canada

- Full-stack software development activities: database, C API layer, Web front-end.
- Complete development tasks according to business requirements
- Ensure development tasks are completed on time at the highest level of quality.
- Perform peer code reviews.
- Proactively stays up to date with current technologies.
- Performance of other duties and projects as assigned from time to time.

Junior .Net Developer   September 2022 - January, 2023
JAAMMTech,Canada

- Build New applications with .NET 6.x / C# / SQL Server.
- Develop new functionality on different existing software applications.
- Develop databases including queries, triggers, and stored procedures.
- Design, build, and maintain efficient, reusable, and reliable code.

Graduate Assistant   September 2019 - October 2020
Lakehead University, Thunder Bay, ON, Canada

- Worked on multiple state-of-the-art machine learning and deep learning projects with Python that utilizes frameworks and libraries such as Pytorch, Keras, Tensorflow, Pandas, Dataframe, Scikit-learn, NumPy, and Big-data tools.
- Worked with command-line tools like bash and ssh in a Linux and Windows environment.
- Conducted lab sessions on "C Programming Language", "Object-oriented Programming: C#, ".NET framework" for undergraduate students. And responsible to help the students by giving them a brief about the problems they need to solve, demonstrating to them the method for solving the problem, and guiding and monitoring the students throughout the session.
- Provided support to the instructor by reviewing the lab works and assignments and then evaluating them.
- Scheduled meetings with students and was available for them to reach within the allotted time frame with their problems regarding the course material, and advised accordingly.

Assistant Lecturer   April 2019 - August 2019
International Islamic University Chittagong, Chittagong, Bangladesh

- Conducted theory and lab classes on "Computer Networks" and "Computer Simulation and Modeling".
- Invigilated the final exams and evaluated enrolled students for the courses.
- Constantly adjusted teaching methods according to each student's individual need
- Monitored a new teaching assistant, guided her, and provided feedback regarding lab sessions.

Worked with the operational team for 15 days. During this period, learned about GSM, and the working procedure of the team. The project manager was extremely pleased with my work since I could take good initiatives and also I could connect well with my client to fulfill all the requirements.

Education

Postgraduate Diploma in ICT Solutions for Business   2021−2022
Confederation College, Thunder Bay, ON, Canada

- Impactful courses: Advanced Database Design SQL, WEB Design Development I-III, OOP with NET I (C#), .NET framework

Bachelor of Science in Computer Science and Engineering   2014−2018
Chittagong University of Engineering Technology, Bangladesh

- Thesis Title: A Pedestrian Detection Method Based On HOG-LBP Features And SVM Classifier

- Awards and Scholarships: Merit Entrance Award, Semester Scholarship (2015-2018)

Projects

- *LusuClubs:* Added additional features to the current websites of Lakehead University Clubs website.

- *Peace Of Mind:* . Peace of Mind is a progressive web application to bridge the communication gap between elders in caregiving homes and their families. The application is developed using material UI, React, and JavaScript

- *CuisineDelight:* Developed a responsive dynamic website in the "ASP.NET" course. This is a catering website that is developed using C#, SQL, and Webforms. By using the website users can order food from different caterers, and also can be registered as a caterer.

- *Shanice Portfolio:* Integrated a static personal website to a dynamic WordPress theme. The content can be easily changed as website pages are integrated as WordPress pages and posts.

- *BookXchange:* Used HTML, CSS, PHP, SQL, and Bootstrap to create a responsive dynamic website in the "Web Development" course. The website's objective is to allow users to register and exchange books with one another. Guest users can look at different books, but only registered users can see the details of other users who have enlisted the book and contact them to exchange their favorites.

- *Tbay Travels:* In the "Web Development" course, I used HTML and CSS to create a responsive static website. This website allows users to view all of the tourist attractions in Thunder Bay as well as the many restaurant menus. The user can read reviews left by past visitors to such locations. Furthermore, they have access to many food reviews.

Publications

- "Fatality Prediction for Motor Vehicle Collisions: Mining Big Data Using Deep Learning and Ensemble Methods", IEEE Open Journal of Intelligent Transportation Systems (2022)

- "Assisting the Non-invasive Diagnosis of Liver Fibrosis Stages using Machine Learning Methods", IEEE Engineering in Medicine and Biology Society (2020)

- "Human Detection Based on HOG-LBP for Monitoring Sterile Zone", International Conference on Electrical, Computer and Communication Engineering (ECCE), Bangladesh (2019)

Extra Curricular Activities

- *Attended:* .NET workshop, 2021

- *Attended:* CAN-CWIC:The ACM Canadian Celebration of Women in Computing conference, 2019

- *Organized And Volunteered:* The 2nd International Conference on ECCE, Bangladesh, 2019

- *Analyzed:* The system of Dutch Bangla Bank Ltd, Chittagong, Bangladesh, 2017

- *Participated:* National Girls Programming Contest (NGPC), Dhaka, Bangladesh, 2015