

Sameer Naib

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Education

Master's in computer science

University of Manitoba, Winnipeg

- **GPA:** 4.3/4.5
- **Courses:** Online Algorithms, Data Visualization, Data Security and Privacy, Algorithms in Comparative Genomics, Research Methodologies
- **Research:** Online Algorithms with major focus on class of the k -server and the bin packing problem

Bachelor of Technology in Computer Science and Engineering

Guru Nanak Dev University, India

- **CGPA:** 8.59/10
- **Courses:** Java, Object Oriented Programming, Data Structures, C, Design and Analysis of Algorithms

Job Related Skills

Technical Skills

- *Language/Technologies:* Proficient in Python, JavaScript, React, Node.js, Flask, Microsoft Visual Studio, Pycharm, HTML5, CSS3.
- Databases: PostgreSQL, Oracle, Sql Server
- Unit testing in back end (python) as well as front end (react).
- Active member of *Geometric Approximations and Distribution Algorithms* lab at the University of Manitoba with an objective of solving various theoretical computer science problems.
- Researcher in the field of *Online Algorithms*.
- Data visualizations using Tableau for effective presentations.
- Industrial experience on the latest web development technologies and live projects.

Interpersonal Skills

- Excellent communication skills enhanced by dealing with undergraduate students at universities help center and customers at the home depot.
- Organizing committee member of the 30th Canadian Conference on Computational Geometry.
- Reliable and responsible team member while collaborating with experts of different field with an objective of completing a task in restricted time
- Creative mindset to analyze problems and designing user interface like html web pages

Experiences and Projects

1. Software Developer Cape Gemini

March 2020 – December 2020

Full Stack Developer involved in designing Auto-Face Detection Machine Learning Application.

Front End: React, JavaScript, Html5, and CSS3.

Back End: Node.js, Express, Knex.js.

Database: PostgreSQL, Oracle, Sql Server

Software and Tools: Clarafai, Bcrypt, Tachyons library.

Responsibilities:

- Provided technical support to customers and staff members, troubleshooting problems, assisting with account creation and, other software-specific functions.
- Worked with clients, to analyze their needs, then design, develop and test the software in order to meet those needs.
- Managed the full life-cycle development of applications and websites, worked on designing schemas and building databases.

2. Computational Analysis of the Online Algorithms

January 2018 – March 2020

Methodologies: Potential Function, Work Function, Advice Complexity, Binary String Guessing.

Responsibilities:

- Analyzed an important variant of the classic k -server problem with a motivation of closing the long existing gap between lower and upper bounds of the problem
- Successful in designing the algorithm and writing the conference paper.
- *Performance testing* by designing an application in processing language using Java platform.
- Implemented efficient programming techniques like recursion based on dynamic programming.
- Researching various other online problems like bin packing and online matching of points.
- Active participation in a group called *Coauthor* to collaborate with experts of various fields with a common objective of solving open computer science problems

3. Teaching Assistant and Grader at University of Manitoba

January 2017 – April 2019

Courses: Processing, Java, C, Analysis of Algorithms, Design and Development of Object-Oriented Software, Programming Practices

Responsibilities:

- Consulted with the supervisor responsible for the course(s) for directions on assigned work and responsibilities.
- Prepared instructional material such as handouts, assignments, problem sets, tests and pseudo codes for students to help them solve their coding problems.
- Quality time management especially with a group of students by allotting a maximum of 15 minutes to each student per day during busy hours.

- Following the course supervisor's guidelines while marking assignments and exams to maintain equity among all students.

4. Industrial training at Tech Mahindra

January 2016 – December 2016

Technologies: Front End: HTML5, CSS3, JSP, Servlets and Ajax. Back End: JavaScript, Oracle database.

Responsibilities:

- Worked as a key designer as well as developer of *Team Collaboration Tool* (Web-based project).
- Determined operational feasibility by analyzing and evaluating problem definition, customer's requirements, solution development, and proposed solutions.
- Employed MVC architecture pattern to promote simultaneous development.
- Designed the cross-platform application for monitoring employees at various geographical locations.

Achievements

University of Manitoba

- '*Reine-Baniuk Memorial Scholarship*' for outstanding academic achievements in the Computer Science (2018-19)
- '*Science Enhancement of Grant Stipends (SEGS)*' as fellowship for research (2018-19)
- Fellowship for education purposes as a research support from the supervisor (2018-19)
- International Graduate Student Entrance Scholarship (2017-19)

Hobbies

- Listening to music
- Badminton and Cricket
- Visiting new places
- Adventure Travelling