

Ardavan Shahrabi

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Permanent Resident of Canada

EDUCATION

Bachelor of Computer Science with honours (First Class Honours), (GPA: 3.93 / 4.3) <i>Dalhousie University</i>	Sep 2020-May 2024 <i>Halifax, NS</i>
<ul style="list-style-type: none">• Certifications: Communication Technologies and Cyber Security• Certifications: DevOps Foundations (Shiftkey Lab)• Sexton Scholar/Distinctions (Dalhousie University) (x4): Awarded to those who maintain 3.85+ GPA.	

AWARDS

1st Place, Agentic AI Hackathon <i>Volta</i>	Nov 2024 <i>Halifax, NS</i>
<ul style="list-style-type: none">• Collaborated with a team of six to develop "WhoRU?", an AI-powered application designed to revolutionize professional networking by capturing and organizing key interaction details within a 10-hour timeframe.• Managed multiple development areas in a winning AI hackathon project, including database setup, front-end development, and OpenAI API integration with Python. for a winning agentic AI project that secured first place among multiple competing teams.• Spearheaded comprehensive technical documentation and delivered compelling project presentations, effectively communicating complex AI solutions to judges and stakeholders while ensuring maintainable codebase for team collaboration.	

EXPERIENCE

Founder & Developer <i>WhoRU? (Startup)</i>	Nov 2024- Present <i>Halifax, NS</i>
<ul style="list-style-type: none">• Building WhoRU?, an AI networking app that helps professionals remember and manage important details about people they meet, currently evolving from award-winning hackathon project to market-ready product.• Won 1st Place at Agentic AI Hackathon with a team of six, creating an app that helps users manage over 100 networking contacts per event.• Iterating on the initial prototype by enhancing AI features including voice transcription and smart suggestions, with focus on user testing and product-market fit.	

IT Support Specialist <i>ByDesign Embroidery & Screen Print</i>	Dec 2023- Dec 2024 <i>Halifax, NS</i>
<ul style="list-style-type: none">• Assisted multiple users with day-to-day technical issues including computer setup, software installation, and printer connectivity.• Maintained and updated company computers, laptops and hardware weekly, ensuring all systems had current software and security updates with zero security breaches.• Set up workstations for new employees, completing each setup including email accounts, basic software, and network access.• Created user guides for common technical procedures and provided basic software training to staff members.• Developed an internal knowledge base of 10+ user guides covering daily IT procedures (printer setup, password resets, remote access), conducted bi-weekly training sessions for groups of 5-10 employees on Microsoft Office and company software.	

Research Assistant [arxiv.org/abs/2202.05085] <i>Dalhousie University</i>	Feb 2023-Aug 2023 <i>Halifax, NS</i>
<ul style="list-style-type: none">• Co-authored a research paper on combinatorial pattern matching published in Volume 259, pages 26:1-26:14, 2023.• Optimized query processing, aiming to reduce time complexity, potentially cutting processing time for large datasets by over 50%, resulting in much faster data retrieval• Developed space-efficient indexing, expected to decrease memory usage by approximately 50%, enabling more scalable solutions for processing large genomic datasets.• Projected to reduce data processing time from several hours to under an hour for large-scale genomic analyses, greatly improving operational efficiency.	

Customer Service Representative <i>Loblaws</i>	Oct 2019-Present <i>Toronto, ON</i> <i>Halifax, NS</i>
<ul style="list-style-type: none">• Collaborated with team members to streamline order processing, resulting in a 15% reduction in fulfillment times, highlighting a commitment to process optimization and efficiency.	

- Utilized point-of-sale and inventory management systems, developing proficiency in technology tools that enhance operational efficiency and data accuracy in a fast-paced environment.
- Monitored inventory levels and maintained a 95% stock accuracy rate, showcasing strong data management skills that contribute to informed decision-making and operational excellence

Student Coordinator at Shiftkey Lab(Volunteer)

June 2023-Oct 2023

Dalhousie University

Halifax, NS

- Supported 40+ children per session in learning Python coding concepts by answering questions, clarifying doubts, and providing tailored explanations to help them grasp coding fundamentals. Provided one-on-one assistance to students, successfully resolving 90% of coding questions within the same session.
- Assisted students with onboarding, answering questions, and providing guidance throughout their experience at the lab sessions.
- Offered personalized assistance to students, addressing specific coding challenges and ensuring that each child felt confident in their understanding of the material.
- Organized coding resources and materials to ensure students had easy access to tools that supported their learning.

PROJECTS

JuniorDevForge | *Node.js, React, MongoDB, Git* [\[view website\]](#)

Sep 2023- Dec 2023

- Collaborated with a team of 6 to develop a platform to assist junior developers by enabling collaborative project development and providing industry-relevant resources.
- Designed and implemented database architecture using MongoDB to ensure efficient data management.
- Integrated design thinking principles into the project, resulting in a user-friendly product with enhanced usability.
- Successfully deployed the platform to provide junior developers to form teams and collaboratively build real-world projects.

MONI-k | *C*

Dec 2022- Aug 2023

- Implemented data structures and algorithms to efficiently index large text datasets for genetics studies.
- Co-authored a paper that was accepted by the Annual Symposium on Combinatorial Pattern Matching.

Maverick | *Java, Spring Boot, JUnit, Mockito, GitLab, JavaScript, Node.js, JWT, React*

May 2022- Sep 2022

- Led a 5-developer Agile team designing and implementing a task management website with RESTful API.
- Implemented CI/CD pipelines and runners with GitLab for reliable development, achieving 66% test coverage.
- Facilitated mob programming sessions to enhance code ownership among all team members.
- Completed the project with the highest grade in the class.

Academic Performance Analysis — Data Visualization | *R, Data Visualization*

May 2022- Sep 2022

- Analyzed a comprehensive dataset from Kaggle, focusing on variables impacting students' academic performance, using Python and data visualization tools.
- Developed a linear regression model to quantify the impact of various factors on students' grades, with a focus on mathematics performance.
- Created and presented data visualizations to communicate findings, revealing that student absences have the greatest negative impact on academic performance.
- Collaborated in a team of three to design, implement, and interpret the results, concluding that multiple factors, such as parental support and study habits, significantly influence academic success.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, R, HTML/CSS

Frameworks: JUnit, Mockito, React, Node.js, Spring Boot

Developer Tools: Docker, Git, IntelliJ, VS Code, Pycharm, Wireshark

Libraries: React, Numpy, pandas, Matplotlib

PUBLICATIONS

I. Tarnikov, A. Shahrabi Farahani, S. Kashgouli, and T. Gagie, "MONI Can Find k-MEMs," 34th Annu. Symp. Comb. Pattern Matching, vol. 259, pp. 26:1-26:14, 2023, doi: 10.4230/LIPICS.CPM.2023.26.