

Amama Rida Maqdoom

Software Developer

CONTACT INFORMATION:

+(639)-480-5647

ghk506@usask.ca

[Portfolio](#)

[GitLab](#)

[LinkedIn](#)

SKILLS:

Programming Languages: C, Java, Python, Scala, JavaScript

Web Development Frameworks: AngularJS, React

Database Technologies: MySQL, MongoDB

Cloud Platforms: AWS, Azure

Version Control: Git

Agile Methodologies

Strong problem-solving,
Excellent communication,
Leadership abilities

EDUCATION:

BSc, Computer Science Honor
University of Saskatchewan
GPA: 3.3 | (Expected Graduation: 2025)

Course work:

Operating System(Memory Management and Threading)

Object-Oriented Systems,
Intermediate Data structures and Algorithms

Full Stack web programming

Artificial Intelligence

PROFESSIONAL SUMMARY:

Organized and self-motivated Computer Science graduate with 2+ years combined experience in internships and projects. Fluent in Java, C, SQL, Python and JavaScript programming languages. Possess practical working knowledge of relational databases using MongoDB, SQL Server, Cloud Development, and Agile Development. Constantly updating personal and professional technical skills with complementary collegiate courses and online bootcamps. Reliable and responsible team player.

WORK EXPERIENCE:

TEACHING ASSISTANT

University of Saskatchewan - Department of Computer Science and Math
July 2023 - Present

- Led discussions on computer science topics, with a focus on **Python and Java programming languages**, fostering an engaging learning environment.
- Evaluated assignments, assessing analytical approaches and coding efficiency to provide constructive feedback.
- Utilized data analysis techniques to track student performance trends and recommend curriculum enhancements.
- Strengthened communication and mentoring skills, contributing to departmental success.

SOFTWARE ENGINEERING RESEARCH ASSISTANT

University of Saskatchewan - Department of Computer Science
Jan 2023 - Present

- Conducted in-depth analysis of research papers, data, and **serverless database systems**.
- Collaborated with graduate students and professors on research projects, ensuring alignment and progress.
- Developed comprehensive documentation and delivered presentations, effectively communicating methodologies, results, and insights to diverse audiences.
- Contributed to experimental design and methodology, enhancing the rigor and precision of research initiatives.

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PROJECTS

PAWS AND PALMS / TASK MANAGEMENT

[Project Code](#)

- Led front-end and back-end development for an application as part of the Intermediate Software Engineering (CMPT 370) project, creating a platform for booking canine massage appointments, collecting user feedback, and managing records for clients and administrators.
- Utilized a tech stack including **React, JavaScript, MySQL and MongoDB**, with **GitLab** for version control, to build and deploy the application.
- Successfully delivered a user-friendly and functional platform for “Paws and Palms,” demonstrating effective leadership and full-stack development skills.eam to project success.

Backend AI API development and third party API Integration (Riipen Internship) Preminent Technologies Inc

- Collaborated with cross-functional teams to design, develop, and maintain scalable backend APIs and cloud-based Azure functions using .NET 8, C#, and Enterprise APIs, ensuring secure and robust solutions.
- Contributed to the development of AI and ML-enabled travel booking platforms by integrating OpenAI services, fine-tuning LLM/ML models, and automating model training and validation processes.

Artificial Intelligence & Machine Learning Application (Summer Internship)

Chemtech Ltd., Vancouver

[Project Code](#)

- Developed AI/ML models leveraging recommendation algorithms, predictive analytics, and fraud detection to enhance product offerings and customer engagement.
- Applied supervised and unsupervised learning algorithms to classify and segment customer behaviors, improving targeted marketing efforts.
- Integrated live stock data into models using APIs (e.g., Yahoo Finance API) for real-time predictive analytics and financial forecasting.
- Collaborated with stakeholders to gather requirements and deliver tailored