

Mehrad Andalibi

Computer Programmer

Ottawa, ON

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[LinkedIn Profile](#)

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PROFILE

- Computer Programming graduate with strong hands-on experience developing enterprise-level Java web applications using Servlets, MVC architecture, RESTful services, and relational databases. Proficient in backend development, database design, and object-oriented programming principles. Experienced in implementing DAO design patterns, session-based authentication, and multi-module system architecture within Agile team environments. Seeking an entry-level Software Developer or Backend Developer role where I can contribute to scalable and maintainable systems.

Technical Skills

- **Languages:** Java, SQL, JavaScript, Python, Shell, PHP, Dart
- **Backend Development:** Java Servlets, MVC Architecture, RESTful APIs, DAO Pattern, JUnit Testing, Session Management, Authentication & Access Control
- **Operating Systems:** Proficient in UNIX/Linux (RHEL/Ubuntu) environments, including command-line tools for system administration and troubleshooting.
- **Web Development:** Skilled in HTML, CSS, and JavaScript for creating responsive web applications; back-end development experience with PHP.
- **Database Management:** Advanced skills in SQL, with experience using Oracle, Microsoft Access, and SQL Server for efficient data storage and analysis. Proficient in Data Structures and Algorithms (DSA), with a focus on improving code efficiency and optimizing problem-solving approaches. Hands on experience with Neo4j and MongoDB
- **Version Control:** Experienced with Git for version control.

EDUCATION

Computer Programming/Diploma
Algonquin College, Ottawa, ON

May 2024 – December 2025

- GPA: 3.95/4.0

WORK EXPERIENCE

Digital Marketing Supervisor
Tosse Tejarat Robina LLC, Tehran, Iran

Aug 2021 – Feb 2024

- led a team of five to execute digital marketing campaigns, increasing online engagement by 70%.
- Enhanced customer acquisition by 25% through optimized SEO strategies.
- Managed cross-channel content creation and analytics to drive marketing growth.

ACADEMIC PROJECTS

Public Transit Fleet Management System (PTFMS)

Oct 2025 – Dec 2025

- Enterprise Java Web Application | 3-Tier Architecture
- Developed a full-stack Java Servlet-based web application using MVC architecture and DAO pattern.
- Designed and implemented modules including Vehicle Management, GPS Tracking, and Fuel/Energy Monitoring.
- Integrated role-based authentication and session handling for secure access control.
- Designed normalized relational database schema with foreign key constraints in MySQL.
- Implemented CRUD operations with dynamic JSP view loading via centralized Controller servlet.
- Developed JUnit tests for validating business logic and DAO operations.
- Applied software design patterns (DAO, Builder, Observer, Adapter) for modular and maintainable architecture.
- Managed version control using Git with structured branching and tagging strategy.

Algonquin College blog Website

Aug 2024 – Sep 2024

- Developed a responsive blog website for Algonquin College using HTML, CSS, JavaScript, PHP, and SQL, with a database-driven backend and dynamic content management features.

Logistics Company Java Application

Sep 2024 – Nov 2024

- Built a Java-based application for shipping and inventory management integrated with SQL databases. Applied object-oriented principles and implemented data management features.

Lavender Grill Database Application

Oct 2024 – Nov 2024

- Created an SQL Server database system for restaurant menu and order management.