Rezwan Ahmed

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EDUCATION

Bachelor of Science, Computer Science. GPA: 3.50/4.0 ***Expected Graduation: May 2025***

University Of Calgary – Calgary, AB.

Courses: Data Structures & Algorithms, Algorithmic Design and Analysis, OOP, Web Development, Linear Algebra, Database Management Systems, Computing Machinery, Data Science and Analytics, Human-Computer Interaction Design, Software Engineering, Principles of Operating Systems.

SKILLS

Programming	Java • Python • JavaScript • C Language • Haskell
Web & Database	HTML • XML • CSS • mySQL • NodeJS • MongoDB
Frameworks	ReactJS • React Native • Tailwind CSS • CRUD Operations
Tech	Git • UNIX • VSCode • Eclipse • JUnit • JavaFX • Microsoft Applications • LINUX terminal • SSH
Software	Blender 3D • Unity Software • DaVinci Resolve • Adobe Premiere Pro • Adobe Photoshop

WORK EXPERIENCE

Telus International ***Jan 2024***

Online Data Analyst (Current) (remote) Vancouver, Canada

- **Responsibilities**: Engage in meticulous **research**, evaluation tasks, and **data verification** within a web-based environment.
- Verify, compare, and assess data supplied by **AI models**, ensuring alignment with query, location, and **user intent** for relevance and accuracy.
- **Achievements:** Achieved a 70% enhancement in **prompt output accuracy** through rigorous **data validation** and **Feedback Mechanisms**.
- Corrected AI-generated results of user's queries by 50%, leveraging in-depth **query research**, domain knowledge and a **human-in-the-loop** approach to rectify errors.

Scale AI ***Dec 2023 - Apr 2024***

AI Code Quality Assurance Trainer (remote) California, USA

- Improved the quality of **AI-generated code** by evaluating its effectiveness and providing **human-readable summaries**, resulting in a 15% enhancement in **code clarity** and comprehension.
- Optimized code execution for maximum **efficiency**, achieving a 20% increase in performance.
- Developed **robust test cases** to ensure code **functionality**, leading to a 30% improvement in code reliability.
- Provided human-readable summaries of coding or functionality issues, making it easier for developers to **debug** the code.

PROJECTS (See All Projects)

The Grocery Analyzer (Full-Stack) (GitHub) (Demo) ***Sep 2023***

Helping users save money by making better purchasing decisions through real-time grocery price comparisons at nearby stores.

- A full stack web application made using **React**, **NodeJS**, and **MySQL**, providing a responsive platform for users.
- Engineered robust user authentication features, including verified registration and login functionality, using **JWT** and **cookies**, along with **salting and hashing** passwords for the database.
- Enabled users to add items based on real-time price comparisons, resulting in 20% average cost savings.
- Designed and optimized a dynamic **MySQL** database using a Relational Model approach, resulting in a 25% reduction in query response time and improved overall database management system performance.
- Used: **React, Hooks (State/Effect), Asynchronous API(async/await), JSX, NodeJS, MySQL, Relational Data Modelling, EER Diagrams, BcryptJS, CSS, Git.**

Self-Checkout Station System Software (Demo Video) ***Jan 2023***

Software for Self-Checkout Station to serve customers at superstores.

- Led the development of the software, earning a 100% project grade, by effectively managing the following aspects:
- **Interface Design:** Orchestrated a user-centric interface design that reduced transaction errors by 25% and improved overall accessibility by 15%.
- **Software Testing:** Led a rigorous testing process, achieving a 92% bug-free software release, ensuring the reliability and stability of the self-checkout system.
- **Project Management:** Efficiently coordinated a cross-functional team of 25 students to meet project milestones ahead of schedule, fostering strong collaboration and effective communication.
- **Object-Oriented Framework (Java):** Leveraged Java's object-oriented framework to develop a highly modular and scalable self-checkout software, enabling seamless integration of new features and reducing development time by 20%.
- Used: **Java, OOP, Junit, Software Engineering Principles, State Diagrams, User Requirements, Git, Trello.**