

Rezwan Ahmed

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EDUCATION

Bachelor of Science, Computer Science

University Of Calgary – Calgary, AB.

Courses: Artificial Intelligence and Machine Learning, Network Analysis and Data Mining, Data Structures & Algorithms, OOP, Full Stack Web Development, Database Management Systems, Computing Machinery, Data Science and Analytics, Human-Computer Interaction Design, Software Engineering, Principles of Operating Systems

WORK EXPERIENCE

Telus Digital

Jan 2024 – Jan 2025

Online Data Analyst

(remote) Vancouver, Canada

- Assessed AI-generated data for accuracy, ensuring alignment with queries, location, and user intent.
- Improved AI-generated STEM content quality, increasing student comprehension by 30% and AI Assistant engagement by 40%.
- Optimized AI image recognition for dashcam footage, enhancing road safety and autonomous system reliability.
- Refined AI voice synthesis, improving chatbot engagement by 20% and audiobook retention by 15%.
- Reduced factual inaccuracies in AI-generated responses by 50%, increasing user satisfaction by 30% and trust scores by 25%.

Outlier AI

Dec 2023 - Present

AI Code Quality Assurance Expert

(remote) California, USA

- Enhance AI-generated code quality, improving clarity by 15% and reducing debugging time by 20%, accelerating project timelines.
- Optimize code execution for efficiency, boosting performance by 20% and reducing resource consumption.
- Develop robust test cases, increasing code reliability and minimizing production failures.
- Deliver comprehensive issue reports, cutting troubleshooting time by 25%.

PROJECTS (See All Projects)

Connect Effect (Full-Stack) (Demo Video)

Sep 2024 – Dec 2024

Developed a mobile-first, real-time multiplayer puzzle game inspired by *The New York Times' Connections*, featuring interactive gameplay, race tracking, and puzzle creation.

- Interactive Features: Built user accounts, puzzle creation tools, and guest access, increasing user retention.
- Admin Tools: Designed secure user authentication, puzzle moderation, and admin approval workflows for shared puzzles.
- Live Updates: Implemented WebSocket for real-time multiplayer interactions.
- Backend Optimization: Created a scalable Flask backend with PostgreSQL, reducing query response times.
- Efficient Deployment: Utilized Docker for containerized deployment and Jenkins CI/CD for automated testing and deployment.
- Used: React, Ionic Framework, Flask, PostgreSQL, WebSocket, Docker, Jenkins, Responsive Design, REST APIs, Agile Practices, Git.

The Grocery Analyzer (Full-Stack) (GitHub) (Demo)

Sep 2023 - Dec 2023

Help users save money by enabling better purchasing decisions through real-time grocery price comparisons at different stores in Calgary.

- 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.

VOLUNTEER EXPERIENCE

YYC DataCon 2025
Marketing Team Member & Event Volunteer

May 2024 - Feb 2025
Calgary, Canada

- Analyzed marketing trends from LinkedIn and other social platforms, identifying engagement patterns to optimize event outreach.
- Generated data-driven marketing reports, enabling the team to refine promotional strategies, increasing audience engagement.
- Provided actionable insights to adjust campaign approaches, leading to a boost in event attendance and visibility within the Calgary Data & AI community.
- Contributed to the growth of Calgary's Data & AI community, helping drive knowledge-sharing and industry collaboration.

Lakehead Grammar School
Student Council Volunteering Team Leader

May 2014 – June 2019
Dhaka, Bangladesh

- Organized various fundraisers, campaigns, and school-wide events, ensuring smooth execution and high participation.
- Led cross-functional teams, coordinating with staff, students, and volunteers to streamline event execution and enhance community involvement.
- Oversaw event logistics, budgeting, and marketing efforts, successfully increasing student participation by 50% in annual fundraising events and workshops.
- Developed leadership, communication, and problem-solving skills through project management and strategic planning.

SKILLS

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