ADITYA SHAHI

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Education

University of Alberta   Edmonton,AB

Bachelor of Computing Sciences minor in Bioinformatics   (September 2021-2025)

Relevant Coursework: Algorithm Design, Data Analysis, Computational Logic, Data Organization, Statistical Methods and Data Analysis, Quantum Physics, Object-Oriented Design, Machine Learning, AI Planning and Search, Reinforcement Learning

Technical Skills: Proficient in Java, Python, C++, C, SQL, R, Julia, Kotlin, HTML, CSS, Dart, MongoDB, JavaScript.

Development Tools and Environments: ,MS Office, Figma, Adobe XD, Git, GitHub, Visual Studio Code, Android Studio, React, MySQL, Firebase, Flutter, Pandas, Scikit-learn, Matplotlib, NumPy, TensorFlow, Keras.

Spring Dale Senior School

High School with Specialization in Medical Sciences and Mathematics

Achievements: Graduated with a 90% aggregate, recognized in the school's Golden Book for academic distinction.

Projects

Automated Timetable Scheduling System | Python, CSP, A.I Planning
- Developed a Python-based automated scheduling tool applying CSP and A.I. techniques, significantly streamlining timetable creation.
- Reduced execution times by over 60% through the implementation of advanced heuristics, increasing overall system efficiency.
- Showcased problem-solving and technical efficiency in algorithm optimization for real-world application scheduling.

DebtDefender Banking Model | Python, Jupyter Notebook
- Created a Decision Tree & Naive Bayes classifier in Python, achieving a 96% accuracy rate for predicting loan repayment probabilities.
- Conducted data mining on 21 financial indicators, significantly enhancing the accuracy of creditworthiness evaluations.
- Demonstrated proficiency in utilizing Jupyter Notebook for data analysis and machine learning model development.

QrazyQRsRUs - Event Management & Check-in System | Firebase, Geolocation API, Java, Android Studio
- Innovated a QR code-based event management app, enabling swift attendee check-ins and real-time attendance tracking.
- Integrated Firebase and geolocation APIs for secure data verification and to support a seamless, personalized user experience.
- Employed Java and Android Studio for app development, focusing on reliable performance across various mobile devices.

Work Experience

Business Development Representative - Costco Business Centre
- Spearheaded the cultivation of strategic business relationships across Western Alberta, driving a 20% increase in Costco's market footprint by executing innovative business development strategies and demonstrating exceptional negotiation skills.
- Managed 200+ client memberships and coordinated with the buying team on high-volume orders, resulting in a 20% increase in order efficiency and customer satisfaction.
- Led interactive sessions with senior management to review and refine business strategies, directly contributing to a 10% improvement in quarterly performance metrics through strategic adjustments

Additional Information

- **Model United Nations Delegate**: Demonstrated diplomacy and problem-solving in global issue simulations, enhancing public speaking and analytical skills.
- **Codecademy Cloud Computing Certification –** Knowledgeable in core cloud services across Azure, AWS, and GCP