ADITYA SHAHI

ashahi1@ualberta.ca | Edmonton
Portfolio | Linkedin | GitHub

EDUCATION

University of Alberta   Edmonton, Alberta, Canada
Bachelors of Computer Science   September 2021 - September 2025

EXPERIENCE

Doon International School | Data Analyst Intern   India | May 2022 - Aug 2022

Analyzed performance data of 500+ students using Python and SQL, utilizing tools like Pandas and NumPy to identify key trends and contribute to targeted educational strategies.

Managed and optimized the schools database systems, ensuring data integrity, increasing efficiency by 30%, and delivering error-free reports with 99% accuracy.

Developed 20+ visual data presentations using Microsoft Office, aiding school administrators in data-driven decision-making and strategic planning.

SKILLS

Programming Languages:	Python, Java, C+, C#, SQL, Dart, HTML, CSS, Kotlin
Libraries/Frameworks:	JavaScript, React, Django, Node.js, Angular, TensorFlow, PyTorch, Scikit-learn, NumPy, Flutter, AWS, Azure, GCP
Tools / Platforms:	Tableau, Power Bi, Git, Github, Figma, Android Studio, MS Office, Visual Studio, Adobe Creative Suite, Firebase, NoSQL

PROJECTS / OPEN-SOURCE

QrazyQRsRUs - Event Management & Check-in System App | Link   *Java,Firebase,Geolocation*

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.

DebtDefender - ML Banking Model | Link   *Python,NumPy,Matplotlib,Jupyter*

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.

Automated Timetable Scheduling System | Link   *Python,CSP,Pandas,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.

CERTIFICATIONS

- Intro to Cloud Computing - **Codecademy**
- Machine Learning /AI Engineer - Codecademy.
- Delegate Participation - **Codecademy**