

# Afzal Khan

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## SKILLS

- **Languages:** Python, C++, JavaScript, C, Java, R, Kotlin
- **Frameworks:** HTML and CSS, React
- **Tools/Platforms:** MySQL, Tableau, Advanced Excel, Oracle, VS Code, Android Studio, Power BI
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

## PROJECTS

GIVEBACK – Donation Tracking Android App

Mar 2025 - Apr 2025

- Built a mobile app to track and manage user donations, promoting transparency and social impact.
- Engineered donor/NGO login, real-time data storage, and secure authentication using Firebase.
- Created an intuitive UI with XML and Jetpack components for seamless user interaction.
- Tools & Technologies: Kotlin, XML, Firebase Realtime Database, Firebase Storage, Android Studio

GLOBAL ENERGY CONSUMPTION DASHBOARD

Feb 2025 - Mar 2025

- Developed an interactive dashboard to analyze global energy consumption trends over time, promoting sustainability awareness.
- Visualized energy usage by year and country and highlighted the shift from non-renewable to renewable sources.
- Integrated CO<sub>2</sub> emissions data to explore correlations with energy usage and climate impact.
- Used Power BI tools such as DAX, slicers, and drill-through pages to provide actionable insights.
- Tools & Technologies: Power BI, DAX, Excel, Data Modeling, Visual Analytics

ROAD ACCIDENT DASHBOARD - PREDICTIVE MODEL

Nov 2024 - Dec 2024

- Created an interactive dashboard to explore year-wise accident data, focusing on conditions such as weather, road quality, and causes.
- Classified accidents by severity and revealed casualty trends for safety optimization.
- Built a machine learning model to forecast accident severity using factors like time, traffic, and weather.
- Processed and cleaned the dataset and applied logistic regression and random forest models achieving 87% accuracy.
- Delivered policy-supporting insights through clear data visualization and reporting.
- Tools & Technologies: R (dplyr, tidyr, caret, randomForest, ggplot2), Tableau, Excel

E-COMMERCE WEBSITE

Dec 2022 - Mar 2023

- Designed and developed a fully functional e-commerce website featuring an intuitive and responsive user interface.
- Implemented dynamic web pages to display product categories, descriptions, and prices using HTML and CSS.
- Added interactivity through JavaScript for features like add-to-cart, form validations, and dynamic updates.
- Ensured cross-browser compatibility and optimized the website for seamless user experience.
- Gained hands-on experience in front-end web development and user-centric design principles.
- Technologies Used: HTML, CSS, JavaScript

## CERTIFICATES

- |   |          |
|---|----------|
| • Data Analysis with Tableau (Coursera: Tableau Learning Partner)           | Sep 2024 |
| • Data Science and Machine Learning – IIT Guwahati                          | Aug 2024 |
| • Excel Skills for Business Specialization (Coursera: Macquarie University) | Apr 2024 |
| • Mastering Data Structures & Algorithms using c & c++ – Udemy              | Dec 2023 |

## EDUCATION

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• <b>Lovely Professional University</b><br/><i>Bachelor of Technology - Computer Science and Engineering; CGPA: 7.34</i></li></ul> | Phagwara, Punjab<br>Since August 2022               |
| <ul style="list-style-type: none"><li>• <b>Stella Maris Convent School</b><br/><i>Intermediate; Percentage: 83%</i></li></ul>  | Sultanpur, Uttar Pradesh<br>April 2019 - March 2021 |
| <ul style="list-style-type: none"><li>• <b>GuruCharan Kaur Public School</b><br/><i>Matriculation; Percentage: 80%</i></li></ul>   | Sultanpur, Uttar Pradesh<br>April 2017 - March 2019 |