# Abdul Muqtadir Ahmed

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## Summary

Data Science and Machine Learning enthusiast with decent experience on DS and ML projects. Looking forward to enhance my skills and gain experience through projects and internships.

## Experience

*PROJECTS*

**Landfill Classification Using Satellite Imagery**
- Worked in a team of three professionals on a project utilizing the Google Earth Engine platform for image classification.
- Employed the Smile Cart Classifier machine learning algorithm to accurately classify images collected from the Sentinel 2 Copernicus data set, which consisted of various terrains such as land, water, and soil.
- Programmed the project using JavaScript, a versatile programming language well-suited for working with the Earth Engine API and developing interactive applications.

**Sales Prediction Analysis**
- The goal of this project was to develop a machine learning model that predicts the sales of products in Big Mart outlets based on multiple variables such as item type, outlet location, outlet size, item visibility, and item weight.
- To achieve this objective, we will leverage linear regression as the primary machine learning algorithm to train the model.
- Through this project, we aim to analyze and identify the key factors that influence the sales of products in Big Mart outlets and to develop a predictive model that can assist in making data-driven decisions related to inventory management and sales forecasting.
- The project involves extensive data cleaning, feature engineering, and model training to ensure the accuracy and reliability of the predictive model.
- This project was under a certification from Delta Sigma Technologies.

Customer Relationship Management (CRM)
- As part of a project, I utilized the Django framework to design and develop a customer relationship management (CRM) website.
- To improve user experience and functionality, I developed custom templates and views using HTML, CSS, and JavaScript.
- To ensure data privacy and secure the CRM system, I implemented Django's built-in authentication system.

**Calculator** (App)
- As part of a workshop, I developed a calculator app using Android Studio, which is an integrated development environment (IDE) used for developing Android apps.
- The app was programmed using the Java language, which is widely used for building Android applications.
- The project involved various stages, including designing the user interface, implementing the necessary functionalities, and testing the app to ensure its smooth operation.

**HOOPS OR OOPS** (gaming filter)
- I designed and developed an engaging game filter using Spark AR, a platform for creating augmented reality experiences on Instagram and Facebook.
- The game filter, called "HOOPS or OOPS," was built using various tools and techniques, including 3D modeling and animation, scripting, and user interface design.
- The resulting game filter was successful in providing an immersive and enjoyable experience for users on Instagram and Facebook.

**Career Recommendation System**
- In a team of four, I contributed to building a career recommendation system using the KNN machine learning algorithm.
- The system utilized user behavior and job preference data to suggest job opportunities that were a good fit for each user.
- Our team collaborated closely throughout the development process, which included designing and implementing a website to test the model.

**3D Robotic Arm**

- As part of a workshop, I utilized OnShape Software to design a 3D robotic arm. OnShape is a cloud-based computer-aided design (CAD) software that enables the creation of complex 3D models.
- The project involved multiple stages, including designing the different components of the robotic arm, creating assembly constraints to put the pieces together, and refining the design to ensure that it met the project's specifications.

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# Skills

**TECHNICAL:**

- Languages learned: C, Python, Java, R, JavaScript, HTML, CSS
- Spark AR, MySQL, Excel

**PERSONAL:**
- Excellent written and verbal communication skills
- Strong presentation and demonstrating skills
- Display high degree of emotional maturity
- Good time management skills
- Interpersonal skills
- Quick Learner
- Good leadership skills as well as a good team player

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# Education

## BE (AI&DS)

Muffakham Jah College of Engineering and Technology • Hyderabad, Telangana
07/2024
- **Events Head** of Orators Club(Student Body)
- Basketball and Department Sports Coordinator
- Won 2nd place in a hackathon organized by the student bodies in college

## High School

Hyderabad Public School(R) • Hyderabad, Telangana
During my time in school, I was highly involved in extracurricular activities, such as winning a debate competition, performing in a lead role in a Musical Adaptation of the popular play "Around The World in 80 Days," and participating in numerous stage performances.