

# SYED AREEB ALI

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## EDUCATION

**National University Of Computer And Emerging Sciences FAST-NUCES**

*BS Software Engineering*

**Karachi, Pakistan**

*Sep 2020 - June 2024*

**D.J Sindh Govt Science College**

*Intermediate Pre-Engineering*

**Karachi, Pakistan**

*Mar2018 - May 2020*

## TECHNICAL SKILLS

**Programming Languages:** Python, C++ , Java

**Libraries and Tools:** PyTorch, Sklearn, Pandas, Numpy, Git, Docker, Django, Flask, MySQL, SQL Server , Power BI, Tableau

## WORK EXPERIENCE

**Trainee Consultant**

*HexSync, Karachi*

*Nov 2023 - Dec 2023*

- Applied **.NET** technologies extensively in the implementation, configuration, and customization of **Dynamics 365 for Finance and Operations (D365 FinOps)** modules.
- Developed and maintained **SQL Server Reporting Services (SSRS)** reports using **.NET** framework, providing critical insights into various aspects of retail operations such as sales trends, inventory management, and financial performance.
- Collaborated with cross-functional teams to analyze complex business requirements and translate them into tailored functional solutions within the **D365 FinOps** environment.

**Data Science Intern**

*SayabiDevs, Karachi*

*July 2022 - Sep 2022*

- Conducted exploratory data analysis on large datasets utilizing **Python** and **SQL** to identify complex patterns and trends, facilitating informed decision-making.
- Created visually compelling visualizations and intuitive dashboards using **Matplotlib**, **Seaborn**, and **Tableau**, enabling stakeholders to grasp insights effortlessly and make informed decisions.
- Developed predictive models employing various machine learning algorithms to enhance business outcomes, optimizing processes and strategies.

## PROJECTS

- **Autonomous Vehicular Network With 6G [FYP]** : In our research, we explore the innovative integration of flying **Reconfigurable Intelligent Surfaces (RIS)** to enhance the reliability and mobility support of millimeter-wave (mmWave) and Terahertz (THz) networks. We propose a proactive approach that leverages machine learning techniques including **Long Short-Term Memory (LSTM)** and **Gated Recurrent Unit (GRU)** to forecast **RIS** reflection beams.
- **AI Blog Generator** : Implemented automation for generating dynamic blogs by converting YouTube videos into written content seamlessly. Leveraged **OpenAI API** and **AssemblyAI** to develop an AI-powered Blog Generator integrated into a Django website.
- **Student Management System** : Utilizing a tech stack comprising **HTML**, **CSS**, **Ajax**, **Bootstrap**, and **Django** Framework, we engineered a feature-rich platform capable of authenticating users for login and sign-up processes. The platform encompasses robust user management functionalities, enabling the maintenance of user data and account details, including followers, likes, and comments on each post.
- **Movie Recommender System** : Engineered a **Content-Based Recommender System** designed for recommending movies to users based on their preferences. The system operates by converting movie features into vectors or a matrix representation and tokenizing them using the **Bags Of Words Model**, a fundamental technique in **Natural Language Processing (NLP)**.

## CERTIFICATIONS

- DataScience With Python Track [Link](#)
- Machine Learning [Link](#)