Khaja Mubashir Arsalan

Hyderabad, India | Phone: +91 9515855961 | Email: kmarsalan124@gmail.com

LinkedIn: <https://www.linkedin.com/in/khaja-mubashir-arsalan> |   
GitHub: [github.com/Encrypted10](https://github.com/Encrypted10) | Portfolio: [arsalan-portfolio.onrender.com](https://arsalan-portfolio.onrender.com)

# Summary

Data Scientist and Full Stack Developer with expertise in Python, SQL, Django, Machine Learning (Regression, Classification, Ensemble Learning), and Deep Learning (CNN, RNN, NLP). Skilled in end-to-end solution delivery from data preprocessing to model deployment and full-stack web application development. Experienced in creating predictive analytics solutions, scalable APIs, and interactive dashboards to drive business impact.

# Skills

Languages & Databases: Python, SQL, MongoDB, MySQL, SQLite  
Machine Learning: Regression, Classification, Ensemble Models, Pipelines, Cross-Validation  
Deep Learning: CNN, RNN, NLP, Computer Vision  
Visualization Tools: Tableau, Power BI, Matplotlib, Seaborn  
Web Development: Django, HTML, CSS, JavaScript  
Tools: Git, GitHub, Jupyter Notebook

# Experience

## Data Scientist Intern

Cognifyz Technologies, Hyderabad | Jun 2025 – Jul 2025

* Developed and optimized regression and prediction models using Random Forest and CatBoost, improving accuracy up to 90%.
* Applied cross-validation and hyperparameter tuning to enhance model robustness.
* Presented actionable insights to stakeholders, contributing to data-driven decision making.
* Certificate: <https://drive.google.com/file/d/1YvLAWPzeA3dPtUSQm0JyE3ordjcwiNeo/view>

## Full Stack Developer Intern

EY Global Delivery Services, Hyderabad | Dec 2023 – Jan 2024

* Created end-to-end e-commerce platform using Django and SQLite for transactional data management.
* Implemented secure user authentication and built custom dashboards for admin and customer roles.
* Collaborated with cross-functional teams to deliver scalable, high-performing web applications.
* Certificate:

<https://drive.google.com/file/d/1VwzFlM5wWCbfp36uWdrXKcl_Km-qcgX5/view>

# Projects

Residential House Price Prediction

* Built a CatBoost-based prediction model achieving ~10% higher accuracy than baseline models.
* Designed and deployed a user-friendly web app for real-time price estimation.
* Tech Stack: Python, CatBoost, Django.
* Link: <https://residential-house-price-prediction.onrender.com>

Restaurant Rating Prediction

* Developed a Random Forest regressor web app to forecast restaurant ratings.
* Improved prediction reliability and outlier resilience through ensemble techniques.
* Tech Stack: Python, Random Forest, Django.
* Link: <https://restaurant-aggregate-rating-prediction.onrender.com>

CR Selection Voting System

* Built a Django web app to facilitate remote, automated class representative elections.
* Tech Stack: Django, SQLite.
* Link: <https://cr-voting-system-using-django.onrender.com>

E-Commerce Website

* Delivered a secure platform with integrated product management, billing, and role-based dashboard.
* Tech Stack: Django, SQLite, HTML, CSS, JavaScript.
* Link: <https://quick-cross-ecommerce.onrender.com>

# Education

B.Tech – Computer Science with first class | TKR College of Engineering & Technology, Hyderabad | 2021 – 2025   
Intermediate – Science Stream | Deeksha Junior College, Nirmal | 2019 – 2021

# Certifications

NPTEL ELITE Certification: Data Science (2024) | <https://drive.google.com/file/d/1bxFbCHSNNllLkVDmgvPMQ-o1TbqXst4P/view>  
Foundation of Cyber Security: Google (2024) |   
<https://drive.google.com/file/d/1Gq-DZln0ie3TZ3Ux1OifORcxKipWwSt8/view>

Note: All of the aforementioned projects are hosted on the cost-free Render platform, so it may take a few seconds for the website to load.