

Seharish Fatima

Pakistan | +92 336 8578513 | seharish10@gmail.com | <https://www.linkedin.com/in/seharishfatima>

EDUCATION

FAST - NUCES	Karachi,
<i>Bachelor of Computer Science</i>	<i>Graduation Date: May 2026</i>
DHACSS	Karachi
<i>Intermediate (Pre-Engineering)</i>	<i>Graduation Date: May 2021</i>
Beaconhouse School System	Karachi
<i>O-Levels</i>	<i>Graduation Date: Aug 2019</i>

WORK EXPERIENCE

Bank Al Habib Limited	Karachi
<i>Data Science Intern</i>	<i>Jan 2024 - Feb 2024</i>
<ul style="list-style-type: none">Utilized Python, pandas, and numpy to streamline data processing workflows, resulting in a 20% reduction in data processing time increasing overall team productivity.Improved predictive model accuracy by 15% through advanced hyper parameter tuning, enabling more proactive decision-making processes.Collaborated with cross-functional teams to develop interactive Streamlit dashboards for data visualization, fostering innovation and facilitating data-driven decision-making.	
Club S! Tutoring	Karachi
<i>Private Tutor</i>	<i>Jan 2019 - Present</i>
<ul style="list-style-type: none">Implemented personalized teaching methods across STEM and humanities subjects, enhancing student grades and performance by 20% on average.Developed and executed custom exam preparation strategies, achieving a 95% pass rate for students in O-Level, A-Level, and Aga Khan Board exams.Utilized regular assessments to monitor student progress and growth with 95% of students showing measurable improvement over the course of tutoring sessions.	
Meraki	Karachi
<i>Social Media Manager</i>	<i>Jan 2020 - Dec 2020</i>
<ul style="list-style-type: none">Led social media advertising campaigns that boosted conversion rates by 25%, significantly increasing sales and revenue.Grew social media following by 50% across platforms within six months, implementing engagement strategies that fostered a sense of community among followers and increased brand loyalty.Analyzed key performance indicators such as reach, impressions, and click-through rates on a regular basis to track campaign effectiveness and optimize content strategy, leading to a 30% increase in website traffic through social media channels.	

PROJECTS

Bank Management System	Karachi
<i>Semester Project</i>	<i>Sep 2021 - Dec 2021</i>
<ul style="list-style-type: none">Developed a bank management system in C as a university project, featuring customer/account management, transaction processing, and robust security measures.Implemented multi-level authentication and encryption techniques for data security.Designed a user-friendly interface and conducted thorough testing for reliability.	

Harmony Hub

Karachi

Semester Project

Sep 2023 - Dec 2023

- Utilized C++ and object-oriented programming principles to develop a music library organizer.
- Designed classes to represent music albums, artists, genres, and tracks for efficient data organization.
- Integrated sorting and searching algorithms to facilitate quick retrieval of music information.

Fraud Detection System - Credit Card Transactions

Karachi

Personal Project

Jan 2024 - Jan 2024

- Implemented a Fraud Detection System for credit card transactions, leveraging machine learning algorithms and data analysis techniques to identify suspicious activities and enhance security measures.
- Conducted regular model retraining using updated data to adapt to evolving fraud patterns and maintain high detection accuracy.
- Documented the system architecture, data pipelines, and model performance metrics for transparency and reproducibility.

AI-based Customer Churn Prediction Model

Karachi

Personal Project

Jan 2024 - Jan 2024

- Engineered an AI-based Customer Churn Prediction System to forecast customer attrition probabilities, employing machine learning algorithms and predictive analytics to optimize retention strategies and maximize customer lifetime value.
- Leveraged machine learning algorithms and predictive analytics techniques to analyze historical customer data and identify churn patterns.
- Employed Python and libraries such as scikit-learn, pandas, and TensorFlow to build and train predictive models.

CUSTOM SECTION

Skills: Python, SQL, Object Oriented Programming, C, C++, Database Handling, HTML, ETL, DDL, Data Manipulation, Exploratory Data Analysis, Data Intelligence, Data Visualization, Machine Learning, Data Structures And Algorithms, MATLAB, Pandas, NumPy, Matplotlib, Seaborn, SKLEARN, Teamwork, Git, Tensorflow

Certifications: Introduction To Computer Science and Programming (TokyoTeach), CS50's Introduction To Computer Science (Harvard), Foundations of Cybersecurity (Google), Play It Safe: Manage Security Risks (Google), Databases and SQL for Data Science with Python (IBM), What is Data Science? (IBM)