SYED NAMEER ALI

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**Education**

Institute of Business Administration (IBA), Karachi. 2019 - 2023

Graduating student of Bachelor of Computer Sciences.

## Dehli Govt. College, Karachi. 2015 - 2017

Intermediate in Pre-Engineering.

# Internship Experience

## **Folio3 Pvt. LTD – AI Intern July 2022 – August 2022**

## Acquired hands-on experience in Machine Learning pipelines, including data preprocessing, feature selection, and model evaluation, as well as different domains of AI, such as computer vision and natural language processing (NLP).

## Developed a real-time number plate detection system using computer vision, demonstrating practical application of ML and AI knowledge.

## **Siddiq Memon Foundation – Social Intern March 2022 – June 2022**

## Responsible for the social media engagement and content on the Instagram page for the organization, leading to an increased follower count of 70% in two months.

**Certifications**

* **Datacamp**: Introduction to SQL, Introduction to Python, Intermediate Python, Introduction to Data Science in Python.
* **Coursera:** AI for Everyone by Deep Learning.AI.
* **Netacad:** CISCO-CCNA: Introduction to Networking.

# Projects

## **Human Resource Management System – Final Year Project**

## Developed a HRMS system with a resume parsing feature and an automated testing system using NLP algorithms.

## The project aims to optimize hiring process by improving candidate pool quality and diversity, while reducing time and effort required.

## **Chat with multiple PDFs – Chatbot using LangChain**

## Created a PDF chatbot project using Streamlit and state-of-the-art language models (ChatGPT, Hugging Face LLMs) to enable interactive conversations with uploaded PDFs.

## Implemented LangChain framework to seamlessly integrate and manage language model components for chat-based exploration of PDF documents.

## **Real-Time Number Plate Detection System – Folio3**

## The project aims to detect number plate of a vehicle in an image or video and extract the number plate text using Optical Character Recognition (OCR).

## The real-time detection system uses yolov5 for number plate detection, EasyOCR and a Custom OCR model for text recognition.

## **Pakistan’s Largest E-Commerce Dataset – Kaggle**

## Analyzed best-selling categories in terms of the year, revenue, quantity, and payment methods.

## Used NumPy, and Pandas for data handling and Matplotlib, seaborn, and plotly for data visualization.

## **JavaTex – A desktop utility for latex users**

## Developeda simple java utility application to ease the use of latex for beginners.

## **Hospify – A B2B health web application software**

* Developed a web app using MERN stack that helps healthcare providers to improve patient care and streamline administrative tasks, typically accessed by healthcare professionals and staff.

## **Boids – Flock Simulation**

## Designed and developed a boids flock simulation using JavaScript, showcasing skills in OOP and algorithms for real-time simulation.

## Utilized separation, alignment, and cohesion concepts to create realistic flocking behavior in a JavaScript simulation of birds, fish, or other animals.

## **GameEmulator – Game Application**

## Designed a java-based game emulator with games like Connect 4, Scrabble, and Tic Tac Toe.

## Implemented all concepts of OOP, with Microsoft access database and UI using Java Swing and JavaFX.

## **ZFoneBook – A phonebook Application**

## Designed a simple phone book application to represent linked list data structure.

## The application is built on java with its interface on JavaFX.

# Skills

## **Languages:** Java, Python, C, SQL, LaTeX.

## **Libraries/Framework:** SpaCy, TensorFlow, NumPy, Pandas, FastAPI, yolov5, LangChain.

## **Operating System:** Windows, Linux.

## **Database Systems:** Oracle, MySQL, MongoDB, AWS S3.

## **Other Skills/Tools:** Git, Microsoft Power BI, Tableau, KNIME, CISCO Packet Tracer.