

JUNAID IQBAL

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DATA SCIENCE PROFESSIONAL

✦ Data Cleaning ✦ Data Visualization ✦ Data Analysis ✦ Machine Learning Models ✦ Python ✦ Flask ✦ Sci-kit Learn ✦ Pandas ✦ NumPy ✦ Clustering ✦ Seaborn ✦ Plotly.js ✦ Oracle OBIEE ✦ System Design and Documentation ✦ Business Acumen ✦ Problem Solving and Critical Thinking ✦ Product Development ✦ Project Management ✦ Database Design & Development ✦ Test & Tools Development/Implementation

Technical Skills: Business Intelligence Tools, Business Process Modeling, Data Analysis and Reporting, Software Development Life Cycle, UML & Modeling Techniques, Strategic Planning & Implementation, System Risk Mitigation, Budgeting & Resource Optimization.

Highly resourceful and accomplished Computer Science professional with a proven track record of success in managing and developing software/systems.

Adept in identifying problematic areas, implementing strategic solutions, and preserving assets, information security, and control structures through in-depth Analysis.

Professional Abridgement

- Possess a strong technical background in Data Science and Machine Learning Model Development, Testing and Analysis based on Python, R and Flask.
- Certified in data science tools, R programming, Data Science Methodology and tools for data science.

Career Contributions

- **Manage and built a Python Flask based dashboard related to E-commerce sales with Customer Segmentation as well.**
 - Project involves and analyzing the sales data to track key metrics such as total sales, monthly trends, and product performance.
 - The Project includes customer segmentation using K-Means Clustering and Hierarchical clustering to identify difference customers segments based on their purchasing behavior.
 - Demonstrated excellent communication and leadership skills, leading to successful collaboration and a high level of client satisfaction.
- **Successfully build a predictive Maintenance for Industrial Equipment's for industrial machinery that uses sensor data to predict equipment failures.**
 - The Project involves analyzing time series data from various sensors to identify patterns that precede failures and implementing a machine learning model to predict these events.
 - The Model uses sensor data to predict Industrial Machinery equipment to predict equipment failures before they occurs.
- **Recommendation System based on User's GPS Traces**
 - Based on Microsoft China's Research Paper "GPS Recommendation Based on users GPS Traces"
 - Successfully implemented the algorithm in python that can recommend places based on individuals GPS Traces.

Professional Experience

July 2023 – Present with ASKARI BANK LTD as Assistant Manager IT Services

In Askari Bank Ltd my Prime Focus is Related to Oracle EBS, Oracle Financial Services Analytics (OFSAA), Oracle Hyperion.

- Designed, developed, and maintained robust ETL and ELT processes for Oracle Financials, Oracle OFSAA, and Oracle Hyperion to ensure seamless data integration and transformation based on business requirements.
- Built and optimized scalable data pipelines to process and analyze large volumes of financial data, ensuring data accuracy, consistency, and timeliness.
- Developed and managed data warehouses and data marts, implementing data models and schemas that support complex reporting and analytics.
- Conducted performance tuning and optimization of SQL queries and ETL/ELT processes to enhance data processing efficiency.
- Automated repetitive data engineering tasks using scripting languages (e.g., Python, Shell) to streamline workflows and improve productivity.
- Developed and maintained dashboards and reports using tools such as Oracle BI, Tableau, or Power BI to provide actionable insights to business users.
- Identified and implemented continuous improvements in data engineering processes, leveraging new technologies and best practices to enhance data processing capabilities.
- Led data engineering projects from inception to completion, ensuring timely delivery and alignment with business objectives.
- Collaborated with data scientists to develop predictive models and machine learning algorithms, integrating them into ETL/ELT processes for enhanced data analysis.

Sep 2021 – Present with SECURITY INVESTMENT BANK LTD as Manager IT Services

Establish and oversee Information Technology Department in all Capacities, as manager IT services, manage IT department to ensure that it meets the organization's needs. Oversee the department's daily operations and collaborate with other departments to provide technical solutions. Develop a strategic plan for IT initiatives, create a structure for the department, monitor the implementation of IT systems and processes, and evaluate their effectiveness.

- Develop solid understanding to the bank's needs and provided technical solutions to support operations. Partner with other departments to identify opportunities for technological advancements to meet organization's objectives.
- Analyze department needs, identify vulnerabilities, and make recommendations for improvements to boost productivity, efficiency, and accuracy, also support leadership decisions by providing technical insights and reports
- Formulate and manage the department's annual budget and ensure cost-effectiveness, develop strategies to maximize the organization's resources while meeting its technology needs.
- Evaluate the organization's existing IT systems and make recommendations for improvements. Keep abreast with emerging technologies and make informed decisions about adopting new systems.

Aug 2019 – Sep 2021 with SECURITY INVESTMENT BANK LTD as Assistant Manager IT

Led design and development activities for Oracle Applications, adhering to project requirements and specifications: developed Oracle Applications in line with requirements and specifications of the project at hand. Designed and built custom solutions using Oracle technologies, as well as integrating existing Oracle applications with other systems. Implemented and maintained Oracle Systems in line with established standards, ensuring optimal functioning while working closely with team members to ensure that the systems security, reliability, and scalability. Created and maintained Oracle Reports, forms, SQL, PL/SQL, and procedures as part of software development activities, involved in writing code, testing it, and ensuring that it met the project requirements and specifications.

- Analyzed project requirements and developing design specifications. I worked closely with other team members and stakeholders to ensure that the design met the needs of the business and end-users, while also adhering to industry best practices and standards.
- Conducted initial design reviews and guided improvements to enhance system functionality and performance by reviewing design documents, identifying areas for improvement, and providing feedback to the development team.

Feb 2018 – Dec 2018 with AR-RAHMAN INFORMATION TECHNOLOGY SOLUTION PVT LTD as Software Engineer

Led Full Stack Web Development (Java Enterprise Edition & Android Development) along with Team Management. Demonstrated strong understanding of the software development lifecycle and worked on a wide range of projects, from building custom websites and applications to designing and implementing complex systems.

- Managed development teams, effectively communicated technical concepts to both technical and non-technical stakeholders and drove all projects to successful completion.
- Developed and maintained e-commerce platforms, used both WordPress and Opencart 2.x to provide comprehensive solutions for businesses looking to establish or enhance their online presence.
- Created custom e-commerce websites with unique designs and features to meet the specific needs of each client.
- Exercised hand-on approach to manage and drive Java Based Desktop Application Development Using Java SE.

Academic Brief

- 2024 **Post Graduate Diploma (PGD) Generative AI** (NED University Karachi)
- 2017 **Bachelor's in Computer Science** (DHA Suffa University, Karachi)
- 2012 **Intermediate** (Fazaia Inter College, Faisal Karachi)
- 2010 **Matriculation** (Farkaleet Grammar Secondary School)

Certifications

- **Data Scientist ToolBox** Offered by John Hopkins University USA in collaboration with Coursera.org
- **Tools for Data Science** Offered by IBM in collaboration with Coursera.org
- **R Programming Certification** Offered by John Hopkins University USA in collaboration with Coursera.org
- **Data Science Methodology** Offered by IBM in collaboration with Coursera.org

Membership

- Student Partner Program for Mozilla Foundation

Personal Brief

Date of Birth: 16th Oct, 1993 | **Linguistic Abilities:** English, Urdu, Punjabi, Hindko

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