

Muhammad Saad Siddique

Data Analyst, Software Engineer, Security Enthusiast

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Key Technologies:

- **Programming Languages:** Android (Java, Kotlin), C++, C#, SQL, MongoDB, Redis, and Python (Pandas, NumPy), PHP
- **IDE/Editor:** Android Studio, Google Colab, VS Code
- **Visualization Tools:** Power BI and Excel
- **Others:** GitHub, Project management, and Git Bash
- **OS:** Windows, Kali, Mac OS

Key Strengths:

- Data structure and Algorithms.
- Data Analysis and Business intelligence.
- Problem-solving skills

EXPERIENCE

IT Manager WISE School and College

10/2023-5/2024

- Create School software for School students in PHP
- Software can receive fee, transport feature, Class management etc
- [Software Link](#)

Freelancing

08/2022-Present

- Python scripting for scrapping sites.
- Work on coda dashboard to automate task assignment and bot working
- Pakrism Support for new App features
- implemented Okta o auth and WSO2
- Helped in Data management and frontend <https://islamaccessible.com/>

Business Manager, Pakrism Pvt Ltd

01/2023 – 05/2023

- Manage Social media
- Created chatbot that can Communicate with tour operators, hotels, cafes and tourist to engage with Pakrism

Senior Android Developer, Pakrism Pvt Ltd

01/2022 – 07/2022

- Created a tourism application called [Pakrism](#) and implemented RxJava to optimize network calls, increase user engagement and reduce crash issues by 70%.
- Improved app performance by 80% resulting in 2x increase in user engagement.
- Implemented unit and UI testing to ensure app stability.
- Implemented an MVVM structure to optimize code and data redundancy Redesigned an application for a better user experience and an intuitive UI.
- Designed, verified, and tested applications to meet user requirements.
- Design, verify and test app test cases
- Offline App functionality

Developer and Data Analyst, Cytech Solutions

05/2018 – 12/2021

- Streamlined data collection, preparation, analysis, and visualization to improve the accuracy and efficiency of reporting and insights.
- Reverse engineered android apps by using JADX tool and identified vulnerabilities for the security team to analyze.
- Created a Kotlin chat application using MVVM architecture, Realm, Socket.IO, and coroutines, which resulted in a 200% increase in user retention and a reduction in user attrition by 80%.
- Work as a Full-stack developer with experience in multiple languages, including PHP, Python, C, Java, JavaScript, and Node.

Content Research Executive, Empower Pakistan

09/2017 – 06/2018

- Searching for specific information on Google or other search engines like user manuals and other documents
- Inserting data into the software
- Transcription from image to word and Content formatting as per instructions.

Software Developer, Bizturk Private Ltd

09/2016 – 09/2017

- Build market-oriented desktop base apps
- Projects Worked on:
 - Jewellery Inventory Management System
 - Student-Teacher RFID based Attendance Management System. With Sms module.

Full Stack Developer Intern, Aimpros Private Ltd

04/2016 – 06/2016

- Build websites with technology like WordPress, Magento, and OpenCart.
- Deal with Custom Website Creation, designing of the web pages, WordPress Website Designing, Deal with Site Speed Optimization, and Work on E-commerce Website. Partnered with designers to create sitemaps, and improve Web page layouts and interfaces.

Volunteer Expertise

ICODE GURU

06/2020 - present

Contributor/ Student Mentor

- Conducted training for 1000 live students, achieving high knowledge retention rate, with a focus on key topics such as programming language, database design, android and web development. Moderated two weekly live Q&A sessions with a maximum of 200 students.
- Gave a small talk to a large group of students on the benefits of participating in hackathons, for example, learning new skills, team work, and gaining knowledge on current industry expertise. 10% participants win prize in every hackathons.
- Search for new hackathons and coding competitions so student can participate in those and gather there info which medium organizer using to communicate with participants, furthermore its advantages and disadvantages for students to participate in that.
- Delivered 4 courses and participated in 20+ Hackathons.
- Attended 3 courses related to machine learning and 1 on Salesforce development.
- Worked on the Salesforce Project under guidance of Salesforce top management.

PROJECTS

- **Chat Application**
 - Implement Kotlin MVVM by using Realm, Coroutine Scope
 - Implement message sends receive protocol using Socket.io
 - Perform user stress testing
 - Managed team of 5 developers.
 - Create server monitoring scripts and dashboard for server end
 - Deploy server code in cluster environment

- **Digital Kitab Khana**
 - Improve website <https://digitalkitabkhana.com/> using Wordpress.
 - Add features of chat on Books and posts.
 - User profile to show case user posts and comments.
 - Add donation form to run through these whole activities like book shelf designing competition.
- **Disease wise Diet Plan (Android Application)**
 - Users can create/use Doctor suggested diet plan according to disease
 - Use Web services on the server end, and SQL Lite Database
- **Gul-e-shaoor**
 - Created a website to facilitate students to get mentorship.
 - Deploy website on [Gul-e-Shaoor](#)

TRAININGS

Courses

Introduction to TensorFlow
 Office Automation
 Introduction to Python
 Fundamentals of Computer Hacking
 Data Analysis with Python as mentor

Platform

Alladin Solutions
 Welfare Computer Centre
 TheCodex from Udemy
 Infysec Global Instructor on Udemy
 I Code Guru

EDUCATION

Information Security Course

- Vulnerability Analysis and Defence
- Forensics
- Block chain
- Malware analysis
- Information Security Management
- IT Security Evaluation & Auditing

BS Information Technology

Pir Mehr Ali Shah University of Arid Agriculture Rawalpindi

Rawalpindi, Pakistan

Sep 2013- Aug 2017

CGPA: 3.57/4.00

Awarded Full scholarship from Governments on good performance. Achieve 2nd Position in Campus and 4th in University.

Final Project: Disease wise Diet Plan (Android Application)

HONOURS & ACHIEVEMENTS

LeetCode 200+ questions [Profile](#)
 4th Position in Bachelors
 1st Position at Undergraduate level IT Quiz competition.
 Japan Hackathon 2021
Runner up at **Data Viz** Challenge LUMS
 Advent of Code competition (2021)
 Judge and mentor in [Word sprint Hackathon](#)

Hackmakers **World Innovation Day (Runner Up)**
[Build with AI as Mentor](#)
 Digital Defence Hack 2020
Smart cities Hack as Mentor
 Japan Hackathon 2021
 Qualified for round 2 on Google Code Jam 2021 and 2022