

Muhammad Sameel Shahid

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Education

DePaul University

M.S. Software Engineering GPA: 4.00/4.00

Chicago, IL

September 2023 – May 2025

Comsats University Islamabad

B.S. Computer Science

Lahore, Pakistan

Jan. 2016 – Jan 2020

Work Experience

Graduate Research Assistant

DePaul University

Jan. 2024 – Present

Chicago, IL

- Designing and creating a mobile app and web interface project, focusing on user smartphone usage tracking for comprehensive data gathering.
- Engaged closely with a professor in research, discussions, and the co-authoring of papers, highlighting the project's findings on the implications of smartphone usage on mental well-being.

Software Engineer

Tabir EdTech, Inc

Jan 2022 – Sept 2023

Lahore, Pakistan

- Led the development and enhancement of the company website, transitioning to Django Rest and Next.js, which resulted in a remarkable 30% increase in efficiency and a 25% increase in traffic during the initial six months of implementation.
- Designing and creating RESTful APIs for internal and partner consumption.
- Spearheaded the development of mobile applications using React Native, enabling students to conveniently access courses via smartphones.

myABL Tech Officer

Allied Bank Limited, Head Office

Oct 2020 – Dec 2021

Lahore, Pakistan

- Design, implement, and deploy core banking services using Java/JEE and Knockout.js based on Oracle Banking Digital Experience (OBDX).
- Identify bugs and align with requirements during debugging.
- Check the feasibility of new features on mobile applications and see through to the deployment.
- Collaborate with internal departments, including marketing, product development, and operations, to ensure the OBDX environment supports internal needs relating to functionality and performance.
- Communicate with project managers, clients, and other developers to design cohesive project strategies and ensure effective collaboration throughout all phases of development, testing, and deployment.

Projects

Mindful Monitor (Research Project)

- Led the development of a mental health mobile app, utilizing machine learning algorithms to analyze user behavior, guiding feature enhancements and engagement tactics.
- Engineered app functionalities to track and mitigate smartphone dependency, applying machine learning for tailored user recommendations, fostering mental health and digital wellness.

Text Recognition Model

- Engineered a text recognition model with superior precision and recall in variable linguistic contexts.
- Maintained strict data privacy adherence in text processing, aligning with international standards.

VR-based Driving Simulator FYP / Comsats University (Unity, Blender)

- Created a VR-based Simulator of Canal Road Lahore as a final-year project.
- Spearheaded the end-to-end design process, from conceptualizing and constructing detailed wireframes to developing initial mock-ups, ensuring a cohesive application interface aligned with user experience best practices.

Technical Skills and Relevant Courses

Languages: Python, Java, SQL, JavaScript, TypeScript, GraphQL

Tools: Git, NextJs, React Native, JWT, OBDX, AWS, Django Rest, Cordova, Docker, PyCharm, IntelliJ, Spring, J2EE

Research Assistant (In Masters): Machine Learning, Android Development, React Native Expo

Courses: Data Structures 2, Enterprise Systems, OOP, Data Mining, Machine Learning, CI/CD & DevOps