

Rida Rahat Khan

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Academic Qualification

2020-Present Bachelors in Software Engineering Fast National University

Final Year Project: *TaskHarbor: Enhancing Organizational Efficiency with Innovative Technologies*

- Developed TaskHarbor, a task management system to enhance organizational efficiency and employee performance.
- Utilized advanced technologies including .NET 7.0, Blazor WebAssembly, Clean Architecture, and Domain Driven Design ensuring modularity, scalability, and robust security.
- Features dynamic multi-tenancy and secure user management, positioning for future growth and improved productivity.

Achievements

SMEC'22 - First prize in Speed Programming Competition

System Design Competition (2022) - Showcased analytical and problem solving skills and qualified to final round

Coders Cup (2021, 2022) - Demonstrated proficiency in coding in a competitive environment.

Coder's Cup (2023) - Showcased my coding skills and qualified to the final round.

Mobile App Development Competition (2022) - Designed a mobile app in a competition by employing programming abilities.

Projects

Real Estate:

- Implemented OOP techniques using C++ to build a system that monitors the land offers and gives users a chance to sell or buy their property.

Hospital Management System:

- Utilized Java Swing for the frontend and MySQL as the Database Management System.
- Designed and implemented features which allowed doctors and administrators to manage patient records, appointment scheduling, and other hospital operations.
- Designed and implemented the database schema using MySQL.

Sorting Visualizer:

- Demonstrated different sorting algorithms visually and utilized the Pygame library for creating a graphical user interface.
- Documented the codebase and created user documentation to help users navigate and use the application effectively.

Client Server Chatbox:

- Developed a client-server chatbox utilizing Python and networking protocols, enabling real-time communication between multiple users.

Help Desk Ticketing System:

- Developed a Help Desk Ticketing System in Power Apps.

Professional Experience

➤ Pakistan National Shipping Corporation (PNSC)

Web Development & Database Intern

3rd July 2023 - 31st July 2023

- Completed a dynamic web development internship, gaining hands-on experience in HTML, CSS, and JavaScript, .NET ASP and MySQL.
- Developed responsive websites and collaborated with a team of developers to optimize user experience.
- Implemented efficient database management systems, improving data retrieval and enhancing website functionality.

➤ Interns Pakistan

Frontend Web Developer Intern

7th July 2023 - 11th Aug 2023

- Proficient in building visually appealing and user-friendly interfaces using HTML5, CSS3, and JavaScript, ensuring optimal website performance across multiple devices.

Interests and Extracurricular Activities

- **ACM - FAST NUCES (Member of Content Team)** - Implemented effective marketing strategies to promote various events and wrote social media content for the society's official pages.
- **Google Developers Student Club (GDSC) (Member of Graphic Designing)** - Created visually captivating and impactful designs that elevate brand identities and engage audiences.

Skills

- Proficiency in English
- Proficient in both Windows and Linux Operating Systems.
- Languages: Python, Java, C++, C, HTML, CSS, Bootstrap, JQuery, BASH, PHP and JavaScript.
- Frameworks: Java Swing, NodeJS, ReactJS, JSP, .NET ASP
- Databases: MySQL and MongoDB
- Great understanding on the Software Design Diagrams, Software Engineering Principles and SDLC
- Familiar with ERP, AWS and Microsoft Power Platforms, mainly Power Apps