Saba Khan

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PERSONAL PROFILE

Passionate and dedicated IT enthusiast, actively pursuing opportunities to collaborate with a dynamic organization where I can apply my expertise and creativity to propel projects forward and contribute meaningfully to the achievement of organizational objectives.

EXPERIENCE

Royal College Kahuta (Lecturer)   Oct 2024- Present

- Delivered comprehensive lectures on Digital Logic Design, Database Systems,C#, Web Programming, and Object Oriented Programming to undergraduate students, fostering a deep understanding of each subject.
- Designed and implemented engaging coursework, blending theoretical concepts with hands on practical projects to enhance student learning and application.
- Employed various teaching methodologies to improve knowledge retention and classroom engagement, including project based learning.
- Guided students through complex problem solving exercises, focusing on developing critical thinking and programming skills.
- Actively supported students in their academic growth, providing one-on-one mentoring and feedback on projects and assignments.
- Continuously stayed updated with advancements in programming and database technologies to ensure the course content remained relevant to the current industrial trends.

PROJECTS:

Final Year Project

- Developed a standalone Android game as part of my Final Year Project, blending elements of racing and vehicular combat.
- Engineered robust health and weapons systems for both player and non-playable characters (NPCs), leveraging a finite state machine algorithm to optimize NPC behavior and enhance player immersion.
- Crafted dynamic gameplay mechanics requiring players to adeptly balance offense and defense amidst fast-paced racing scenarios.
- Integrated engaging victory conditions, challenging players to both overcome opponents and secure first place in races.
- Demonstrated adept problem-solving skills and proficiency in user experience design throughout the project lifecycle.
- Employed Unity to create visually striking graphics and immersive environments, enriching the gaming experience for players.

Website Development

- Developed a car rental website with a database using Java, HTML, SQL, and PHP.
- Utilized advanced object-oriented programming for scalable website architecture.
- Implemented Java webforms and servlets for smooth user interaction.
- Added a current location pinned map feature to enhance user experience.
- Styled the website using inline CSS for visual appeal.

Image Manipulation

- I have this project where an image is loaded onto the canvas, and users can apply filters or effects to it. This helps in understanding how to work with images on canvas and perform basic image processing.

Android Development

- Developed an android game using Unity and Android Studio.
- Optimised the car combat game for android usage.

Extra-curricular

- Participated in Business Idea Competition.
- Participated in Zindagi Prize Competition.

Internship

- Interned at Askari Bank Limited and handles customer services.
- Interned at Wislence, contributing to the enhancement of their official WordPress website, including implementation, and collaboration with the web development team.

University Workshops

- Game Development
- Graphic Design
- Software Engineering

PROGRAMMING LANGUAGES:

- **HTML/CSS**
- **C#**
- **C++**
- **JavaScript**
- **Python**
- **React**

APPLICATIONS LEARNED:

- **WordPress**

- **My SQL(SSMS)**

- **React**

- **Canvas**

- **Unity**

SKILLS

- Exceptional communication skills
- Experience working in a time sensitive and team environment
- The ability to work under pressure and multi-task

- The ability to follow instructions and deliver quality results
- Exceptional Leadership skills

LINGUISTIC SKILLS

- English – Full Professional Proficiency
- Urdu – Native Proficiency

EDUCATION

2020-2024   **BS COMPUTER SCIENCE**
NUML NATIONAL UNIVERSITY OF MODERN LANGUAGES

2019-2020   **ICS**
ARMY PUBLIC SCHOOL AND COLLEGE DHA PH 2 (APSACS)