Ghulam Muhay Ud Din

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PROFILE

Passionate Software Engineer seeks opportunity to devote my educational and Professional skills to a reputed organization and to meet the challenges in practical life. **In my 6th semester, I was honored with a Bronze Medal.** Looking for a purposeful position in a dynamic organization that confederates opportunities of professional growth through training and recognition and challenging assignments.

EDUCATION

2019 – 2023
FAST-NUCES, Faisalabad
BS, Software engineering

2017 – 2019
Punjab College, Rawalpindi
FSC, ICS

2015 – 2017
Govt Boys School, Chishtian
Matriculation, Pre Science

SEMINARS

- Attended ICIT'22 conference by FAST NUCES (Oct'2022)
- Attended Technolangs IEEE Conference'22, Faisalabad
- Attended Speed Programming'21 by PIEAS AI society, Islamabad
- Attended SYWSC'21 by IEEE Islamabad Section and PIEAS University, Islamabad

EXPERIENCE

June 2021 - August 2021
Software Development Intern• Institute of health Management, Islamabad

- Participated in various stages of software development, including requirements gathering, design, coding, testing, and debugging.
- Collaborated with senior developers and project managers to deliver high-quality software products within tight deadlines.
- Gained hands-on experience with industry-standard programming languages and tools such as Java, Python, and Git.
- Developed a deep understanding of software development best practices, including agile methodologies, version control, and code reviews.
- Designed and developed a new user-friendly website for the company using HTML, CSS, and JavaScript.
- Ensured the website's responsive design and cross-browser compatibility to provide an optimal user experience.
- Demonstrated strong problem-solving skills and attention to detail in all aspects of software development.
- Presented the final project, the new website, to the management team, which received positive feedback for its design and functionality.

Overall, my internship experience there provided me with a solid foundation in software development and valuable insights into the professional work environment. Developing a website for the company was a rewarding experience that allowed me to apply my technical skills and creativity to deliver a quality product.

SKILLS

Web Development:
- User experience design
- Web standards and accessibility
- Responsive design
- Front-end frameworks and libraries (e.g. React)

App Development:
- Mobile app design
- Cross-platform development
- iOS app development
- Android app development
- Mobile app frameworks (e.g. Flutter)

Database Development:

- Database design and architecture
- Query optimization
- Data modeling and normalization
- Database administration
- Data warehousing and business intelligence

PROJECTS

LUDO Game • FAST, University
C++, SFML

Developed the popular board game Ludo from scratch, including its graphical interface and all difficulty levels. Implemented various game mechanics and algorithms to ensure smooth game play experience. Collaborated with a team of developers to design and build the game, while ensuring timely completion of milestones and deliverables.

Hotel Management • FAST, University
PHP, SQL

Designed and developed a hotel management system from scratch, including a robust database management system to record and store all customer data, with a feature for retrieving previous customer records. Created a user-friendly interface for the system that allows hotel staff to easily manage room reservations, guest check-in/check-out, billing, and other essential hotel operations. Conducted thorough testing and debugging to ensure the system runs efficiently and effectively.

School Management System • FAST, University

As a student, developed a comprehensive school management system using object-oriented programming, with a console-based interface for recording and manipulating teachers and students' data. Designed and implemented various features, including class schedules, attendance tracking, gradebook management, and report generation. Worked independently and collaborated with mentors to ensure successful completion of the project.

ATM System • FAST, University
C++, Visual Studio

I have developed a console-based ATM system from scratch, including features for transferring money, withdrawing money, checking balances, and managing savings and current accounts. Designed and implemented various security measures to ensure safe and secure transactions, including authentication and authorization protocols.

Car Rental System• FAST, University
HTML, CSS, JavaScript

I have developed a comprehensive car rental system from scratch, including features for browsing available car models, selecting cars, choosing pickup and drop-off locations, entering customer data, selecting payment methods, and checking vehicle locations. Implemented various algorithms and data structures to ensure smooth and efficient booking and tracking of rental cars. Collaborated with a team of developers to ensure timely completion of project milestones and deliverables. Conducted thorough testing and debugging to ensure the system runs efficiently and effectively.

Dictionary • FAST, University
Java, JavaFx

I developed a dictionary application from scratch as part of a team project in a software construction and development course. Implemented features such as admin login with username and password, ability to add, remove, and update words or synonyms, user search for words and synonyms, the ability for users to add words to a favorites list, and a feedback system for users to contact the admin team. The source code for the project is available on Github at https://github.com/SoftwareConstructionAndDev/project-dictionary-team-gsw

Student Registration Form• FAST, University
HTML, PHP

Developed student registration form for an institution using HTML and PHP. Designed and implemented a user-friendly interface for students to input their personal and academic information, including name, contact information, major, and academic record. Utilized PHP to process and validate form submissions, and ensured that all data collected adheres to institutional policies and regulations.

Online Game ID's Subscription • FAST, University
MERN

I developed a website using the MERN (MongoDB, Express.js, React, and Node.js) stack to facilitate the buying and selling of game IDs on a single platform with a single click. Designed and implemented a user-friendly interface that allows users to browse a wide selection of game IDs, including rare and unique accounts, and purchase them with ease. Utilized React and CSS to create dynamic pages that allow users to filter search results by game type, account level, and other parameters. Github link: https://github.com/saudch007/GSW-gaming-accounts-trade

Memes Creator• FAST, University
Flutter, Firebase

I developed a memes creator application using Flutter and Firebase that allows users to easily create and share memes. The application includes a wide range of stickers and tools, including crop and cutting tools, that make it easy to create custom memes that are tailored to the user's preferences. The application is built using Flutter, which allows for cross-platform compatibility, and integrates with Firebase to enable real-time updates and user authentication.