

HUMNA ALI

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PROJECTS

Student Assisting Application

February 2023 - Present

- Made a student assisting application using the Flutter framework.
- Implemented features to facilitate student assistance, such as scheduling, resource management, and communication tools.
- Utilized Flutter's cross-platform capabilities to ensure compatibility across multiple devices.
- Designed an intuitive user interface for easy navigation and enhanced user experience.
- Conducted thorough testing and debugging to ensure the application's reliability and performance.

Card Validation System

January 2023

- Developed a card validation system in Python using data structures and algorithms.
- Implemented efficient algorithms to validate credit card numbers and check for data integrity.
- Utilized appropriate data structures to store and process card information securely.
- Incorporated error handling and validation mechanisms to ensure accurate card validation.

Hotel Reservations System

August 2022

- Built a hotel reservations system using Python and OOP principles.
- Implemented reservation functionality, availability checking, and customer data management.
- Utilized object-oriented design to organize and structure the system efficiently.

Website - BooksForGeeks

March 2022

- Designed a responsive website, BooksForGeeks, using HTML and CSS.
- Created a visually appealing interface with effective navigation and layout design.
- Implemented responsive design principles for seamless user experience across devices.

Hangman Game with Programming Fundamental

March 2022

- Developed a fully functional Hangman game using Python.
- Implemented core game logic, user interface, and scoring mechanism.
- Collaborated with team to improve game features and performance.
- Conducted thorough testing and debugging.
- Acquired knowledge in software development and coding best practices.

SKILLS

Programming Languages : Python, Javascript, C++, HTML/CSS

Frameworks and Tools: Git, Ubuntu, Flutter, Visual Studio, Adobe Illustrator, Adobe Photoshop

EDUCATION

Institute of Space Technology - Islamabad Campus

August 2021 - Present

BS, Computer Science

- Coursework: Programming Fundamentals, Object Oriented Programming, Data Structures & Algorithms, Design & Analysis of Algorithms, Database Systems, Operating System, Digital Logic Design, Computer Organisation and Assembly Language, Discrete Structures, Calculus, Linear Algebra.

BeaconHouse School System - Potohar Campus in Islamabad

August 2021

3 A levels in

- Computer Science
- Mathematics
- Physics

8 IGCSE in

Computer Science, Mathematics, Physics, Chemistry, English, Urdu, Islamiyat, Pakistan Studies