

# Maziah Hasan

## Student

### Contact

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### Profile Summary

Motivated computer science student equipped with foundational programming knowledge and a keen interest in web and app development. Familiar with HTML, CSS, JavaScript, Flutter, Python and SQL through academic coursework and practical projects. Actively seeking an opportunity to enhance technical skills and contribute to innovative solutions in a team-oriented setting.

### Education

#### FAST - NUCES | 2023- Present

Bachelor of Sciences in Computer Sciences

- CGPA: 3.3

#### Punjab Group of Colleges | 2021-2023

FSC Pre - Engineering

- Grade: A+

### Skills

#### Programming Languages

- C/C++
- Assembly Language
- JavaScript
- Flutter
- Python / Flask

#### Tools & Technologies

- Git / Github
- SQL / MySQL
- VS Code / VS Studio
- Linux

### Coursework

- Data Structures
- Database Systems
- Computer Networks
- Object-Oriented Programming
- Operating Systems

### Projects

#### Pacman

- Developed the classic Pacman game with basic C++ and SFML
- Designed efficient game logic for player movement, collision detection, and score tracking.

#### Sudoku

- Built a fully functional Sudoku game in x86 assembly with graphical display of a 4X4 & 9x9 grid.
- Implemented user interaction, input validation, and number placement using low-level programming.

#### Cartify | E-commerce Website

- Developed a full-stack e-commerce platform with chatbot and rental features.
- Frontend: Built responsive UI using Next.js, Tailwind CSS, and HTML.
- Backend: Implemented server-side logic with Node.js and Express.js.
- Database: Designed and managed relational schema in SQL Server for products, users, and transactions.

#### Solitaire (Console - Based)

- Created a solitaire card game using stacks and linked lists for deck and pile management
- Applied data structure concepts to handle card shuffling, moves, and game state efficiently.

### Portfolios & Websites

#### Github

<https://github.com/maziahhasan>

#### LinkedIn

<www.linkedin.com/in/maziah-hasan-bb6259290>