

# Umar Bilal Khan

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## OBJECTIVE

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As a motivated computer science student, I aim to apply my technical skills and knowledge to contribute to innovative projects and solutions in computer science. I strive to enhance my programming, data analysis, and problem-solving abilities while actively participating in a collaborative and dynamic work environment.

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## EDUCATION

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- **FAST NUCES** [2021 – 2025]  
Bachelors in Computer Science
- **LGS Group of college's** [2019 – 2021]  
Intermediate in Pre-Engineering
- **The Trust School** [2017 – 2019]  
Matriculation in Computer Science

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## PROJECTS

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- **Snake game**  
A simple snake game with multiple levels using C++
- **Contact Book Manager**  
A software that manages contacts as well as groups of contacts. It allows you to add, delete, and update contacts and groups of contacts. It can also merge duplicate contacts.
- **Smart Text Editor**  
A software implemented that suggests words from a dictionary containing over 50,000 words using suffix tree data structures and Huffman Coding that reduces the file size.
- **Learning Management System**  
A software implemented using WINUI3 as a frontend integrated with Oracle database as backend storage that manages all the records of admin, students, and teachers. It gives the option to manipulate records.
- **Personal Portfolio**  
Build a personal portfolio using html, CSS and JavaScript

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## SKILLS

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- **C++ Desktop App Development** (.NET FRAMEWORK)
- **SQL** (ORACLE DBMS)
- **Full Stack Web Development** (HTML5, CSS, Tailwind, JavaScript, React, MongoDB)
- **Assembly Language** (NASM)
- **Problem Solving**

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## PERSONAL INTEREST

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Apart from my passion for computer science, I have diverse personal interests that contribute to my holistic growth and well-roundedness. I thoroughly enjoy exploring the world of technology beyond the classroom, immersing myself in the latest trends and advancements. Additionally, I find great joy in staying up to date with emerging technologies such as artificial intelligence and crypto and exploring their potential applications in various industries.