Huzaifa Khan

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EDUCATION

- **Toronto Metropolitan University**   Toronto, ON
  Bachelor of Engineering in Computer-Software Engineering   *April 2025*
  - **Course Work**: Data Structure and Algorithm, Digital Signals, Microprocessor Systems, Software Project Management, Database Management Systems, Network Security, Software Testing and QA, Cloud Computing, Computer Network, Operating Systems, Advanced Algorithms, Computer Organization and Architecture, Software Requirement Analysis and SPEC

SKILLS

- **Certifications**: Using Python to Interact with the Operating System by Google; CS50: Introduction to Computer Science by Harvard; Legacy JavaScript Algorithms and Data StructuresLegacy from freeCodeCamp
- **Programming Languages**: Python, C, Java, SQL, Matlab, Assembly, Verilog/VHDL, OOP
- **Web Technologies**: HTML, CSS, LaTex, JavaScript, Node.js, WebSocket, FastAPI
- **Technical Skills**: Creating Electric and Logic Circuits, Analyzing waveforms, Power BI, Azure, Agile, Scrum, SDLC
- **Soft Skills**: Teamwork, Leadership, Problem Solving, Analytical thinking, Time and project management.
- **Language Skills**: English (Fluent), Hindi (Fluent), Urdu (Native), Bengali (Elementary), Arabic (Intermediate)

PROJECTS

- **Hotel Database Management System**   *Sept 2022 – Dec 2022*
  - Achieved a comprehensive database system to streamline hotel operations and data management.
  - Through developing an SQL-based ETL pipeline using Python scripts to manage guest records and transactions.
  - Resulting in a 30
  - Skills Used: Python, SQL, ETL Pipelines, Linux, Automation.

- **Amazon Clone – E-commerce Store**   *July 2024 – Sept 2024*
  - Achieved a scalable e-commerce platform featuring dynamic product search, order processing, and tracking.
  - Through designing back-end systems using Node.js and SQL and optimizing performance through query enhancements.
  - Resulting in a 20 percent improvement in server response times and efficient user experience.
  - Skills Used: C, Python, SQL, Agile/Scrum, Git.

- **Peer-to-Peer (P2P) Application Development**   *Jan 2023 – April 2023*
  - Achieved a decentralized file-sharing system with real-time content exchange between peers.
  - Through implementing optimized TCP/IP and UDP protocols in a Linux environment using C.
  - Resulting in a 25 percent reduction in data transfer latency and robust network reliability.
  - Skills Used: C, TCP/IP, UDP, Linux, Debugging, Agile Development.

- **Fitness Website – FitFusionHub**   *Sept 2023 – Dec 2023*
  - Achieved a responsive website with dynamic class schedules, trainer profiles, and customer testimonials.
  - Through leveraging HTML, CSS, and JavaScript while integrating user-friendly design principles.
  - Resulting in a 15 percent increase in user session duration and mobile responsiveness.
  - Skills Used: JavaScript, HTML, CSS, Web Development.

  Personal Website
  - Developed a personal website, leveraging my skills in HTML, JavaScript, and CSS. https:https://huzaifakhan.com/about