Shakeer Nawaz

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TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL (Postgres), C/C++
Frameworks/Web Technologies: React, Node.js, Express, HTML, CSS, Bootstrap, EJS, jQuery
Developer Tools: Git, Bash, Unix, Linux, VS Code, Visual Studio, MongoDB, PostgreSQL, REST API, Mongoose

EDUCATION

Toronto Metropolitan University Toronto, ON
Bachelor of Science in Computer Science *Sept. 2021 – May 2026*
GPA: 3.9
Dean's List

PROJECTS

Smart-Brain Facial Recognition | *React, Express, Node.js, PostgreSQL, HTML/CSS*
- Developed a React web application to detect pictures in faces using Clarifai's face-recognition API
- Used a PostgreSQL database to save user login/registration information, as well as the number of pictures they have scanned
- Created and Implemented a server using Express to create endpoints to handle requests between the Front-End and SQL database
- Demonstrated your full-stack capabilities by combining a React front-end with a back-end powered by Express. Successfully designed and implemented a smooth communication flow between the client-side and server-side components
- Developed a responsive user interface using React components and CSS, ensuring a seamless user experience and performance optimization

Train Management System | *Python, Flask, HTML, CSS*
- Collaborated effectively in a team of 5 members to develop a Train Management System in a Agile environment
- Created comprehensive UML class and use case diagrams to model the system's structure and interactions
- Authored clear and well-structured documents outlining both functional and non-functional requirements of the Train Management System
- Introduced rigorous unit testing practices to verify the functionality and reliability of the application
- Designed and implemented features for creating train schedules, displaying times/routes, and effectively coordinating train movements. Contributed to the seamless functioning of the system's core functionalities.

Discord Music Bot | *Python*
- Developed a Music Discord Bot using the Discord.py library, enabling users to interact with the bot seamlessly within Discord servers
- Successfully integrated the YoutubeDL API to empower the bot with the capability to download and play videos as requested by users. This feature enhanced the bot's utility and user experience
- Leveraged the Discord.py library to create custom commands tailored to the specific needs of the Music Discord Bot. Implemented functionalities such as play, pause, skip, and managing queues, providing users with comprehensive control over their music playback experience
- Designed and developed user-friendly command structures that allowed users to effortlessly interact with the bot, enhancing the accessibility and usability of the Music Discord Bot

Portfolio Website | *JavaScript, HTML, CSS, Bootstrap*
- Developed a portfolio website using Javascript, HTML, and CSS
- Employed Bootstrap to ensure your portfolio website is fully responsive and compatible with various devices and screen sizes
- Crafted a modern and visually appealing UI with reveal animations for an interactive and engaging interface
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