Athul Subash Marottikkal

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EDUCATION

Bachelor of Science (Honours) in Computer Science May 2021 – Jan. 2025 (Expected)
Trent University *Peterborough, ON*
- Minor: Mathematics | Specializations: Software Engineering & Theoretical Computer Science
- CGPA: 80.72 | 2021 Dean's Honour Roll

EXPERIENCE

Front-end Developer Sept. 2023 – Present
EasyFits *Remote*
- Created 3D avatar head meshes on Blender to be implemented on a virtual shopping platform
- Developed facial customisation features for nose, eyes, eyebrows, hair and face shape
- Utilized Blender's Python API to automate the avatar creation process
- Worked with the EasyFit's team to integrate avatar customisation features into their platform

Crew Trainer Oct. 2021 – Dec. 2023
McDonald's *Peterborough, ON*
- Conduct comprehensive training programs for new crew members, ensuring they were proficient in all aspects of food preparation, customer service, and safety protocols
- Evaluated the performance of crew members, providing constructive feedback and guidance to enhance their skills and efficiency

PROJECTS

EasyFits: Project Elevate | Software Development Project Sept. 2023 – Apr. 2024
- Serving as the Team Leader for EasyFits' Project Elevate, leading a team in the development of a complete virtual try-on system for a local small business in Peterborough
- Actively engaged in the 3D modeling process using Blender, currently demonstrated garment fitness by modeling clothes with different sizes onto an avatar
- Created modular meshes for various types of clothing and implemented heat-map based view to showcase fitness

CPU Scheduling Simulator | C February 2023
- Developed a program that simulates the FIFO, SJF, STCF and RR scheduling algorithms
- Calculated and compared various metrics such as the number of context switches, average response time, and average turnaround time for each algorithm

Subway Routing System | C# January 2023
- Created a subway routing system that allows users to manage subway stations and find the shortest route between two stations using breadth-first search

Portfolio | HTML/CSS | athulsubashm.github.io September 2021
- Developed a dynamic and responsive website, showcasing proficiency in HTML and CSS to ensure an engaging user experience
- Designed and presented comprehensive mock-ups for a Proof of Vaccination app across Android, iOS, and Windows platforms, showcasing a keen understanding of UI/UX design principles
- Produced a captivating collection of 3D models using Blender, demonstrating creativity and technical proficiency in 3D modeling

CERTIFICATES

Work-Integrated Learning (WIL) Université de Sherbrooke
- Introduction to Quantum Programming January 2023
- Introduction to Quantum Cryptography March 2023

TECHNICAL SKILLS

Languages: C#, C, JavaScript, PHP, HTML/CSS, SQL, C++, Java, Python, Verilog
Developer Tools: Visual Studio, Visual Studio Code, Github, Git, Blender, Unity, Figma, Slack