Saad Sifar

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EDUCATION

New York University Abu Dhabi — Aug. 2023 – Expected May 2027
B.S. in Computer Science (Minor: Applied Mathematics & Economics) — *Abu Dhabi, UAE*
- GPA: 3.96/4.00
- Relevant Coursework: Data Structures, Algorithms, Computer Systems Organization, Computer Networks, Markets, Programming for Engineers, Discrete Mathematics, Multivariable Calculus, Probability & Statistics, Linear Algebra

Elizabeth Moir School — Aug. 2018 – Jul. 2022
A-Levels: Mathematics A (600/600), Physics A* (600/600), Economics A* (396/400)* — *Colombo, Sri Lanka*

EXPERIENCE

NYU Abu Dhabi Embodied AI & Robotics Lab — Jun. 2025 – Aug. 2025
Summer Research Assistant — *Abu Dhabi, UAE*
- Contributing to the development and evaluation of Uni-Sign, a state-of-the-art unified framework for Sign Language Understanding and Generation, enhancing the capabilities of AI in understanding and generating sign language.
- Collaborating with a multidisciplinary team under Professor Yi Fang to integrate computer vision and natural language processing techniques, resulting in a more robust and efficient SLU/SLG system.

Airae Agency — Jun. 2022 – Dec. 2022
Founder and Lead Web Developer — *Colombo, Sri Lanka*
- Partnered with 10+ clients to gather project requirements, transforming their vision into functional and visually appealing web solutions. Delivered projects on schedule, increasing client engagement by 30%.
- Integrated and customized content management systems (CMS) such as WordPress, GraphCMS, and Hygraph, enabling clients to independently update content and reducing maintenance requests by over 50%.

PROJECTS

Data-Driven Analysis of Laboratory Requisition Errors — Jan. 2025
- Analyzed pre-analytical errors in histopathology lab requisition forms by collecting, digitizing, and cleaning 6,000+ patient records from a Sri Lankan tertiary care hospital.
- Conducted data analysis and statistical evaluation to identify error patterns, contributing to a co-authored research report on improving laboratory processes.

FocusBoost VR | *C#/C++, Unity, Meta Quest 2* — Dec. 2023
- Developed a VR application using Unity for the Meta Quest 2 Headset to aid children with ADHD in learning
- Implemented a VR hand-tracking interface for a controller-free user experience

Redlookit | *JavaScript, HTML/CSS, Webpack, Reddit API, GitHub* — Sep. 2022
- Developed a web application that fetched posts and comments from Reddit and displayed it as an email client
- Achieved 100k+ users, 2k MAU, 50 GitHub stars and 7 forks within 6 months

HONORS & AWARDS

Highest Mark in the World A-Level Physics — 2022
Highest Mark in the World A-Level Mathematics — 2022

LEADERSHIP & ACTIVITIES

Violet Ventures — Aug. 2024 – Present
Founder's Associate — *Abu Dhabi, UAE*
- Building the UAE's fastest-growing student startup community, supporting 900+ founders and 40+ ecosystem partners to shape the future of entrepreneurship in the Middle East.

TECHNICAL SKILLS

Languages & Frameworks: Python, C/C++, JavaScript, HTML/CSS, Nodejs, Pytorch, Scikit-learn, React, Nextjs, Django, Git, MongoDB, SQL, Expressjs, Java
Tools: Git, GitHub, LaTeX, MATLAB, Unity, Figma, Blender, MS Office, mySQL, Jupyter Notebook, Vercel