

anusha narayan

human-centred design engineer

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profile

I am a fourth year design engineering student at Imperial College London with a passion for designing data-driven, human-centred solutions for enhancing the health and wellbeing of vulnerable populations, particularly children. I have extensive experience of tackling complex, user-centric issues that require systemic level interventions. A dedicated and motivated student, I am capable of driving projects from initial conception to final product.

education

Imperial College London – MEng Design Engineering

2020 – 2024

- predicted a [First Class Honours \(4.0 GPA\)](#)
- courses in: data science, machine learning, human-centred design, industrial design, sustainable design, mechanics, electronics, fea, python, javascript, matlab, arduino

The Henrietta Barnett School – A Levels

2013 – 2020

3 [A*](#) in Product Design, Mathematics and Further Mathematics, 1 [A](#) in History

projects

Pulmo

October 2022 – March 2023

A group project as part of a Design Engineering Futures module. Aiming to solve a problem that will exist in 2042. Designed a wearable patch that monitors a variety of data points to detect and generate a preliminary diagnosis for lung disease, based on the prediction that pulmonary disease is going to worsen in urban centres.

[futures thinking](#)

[literature review](#)

[system design](#)

[technical writing](#)

U Me

January 2022 – June 2022

A group project as part of an Industrial Design module. Aiming to improve communication between severely autistic, non-verbal children, and their parents. Designed a two-way communication device for the child, so that they can inform parents of their essential needs, paired with an app so that parents could set instructions for the child.

[designing for children & families](#)

[app design](#)

[graphical communication](#)

The Period Product Steriliser

July 2021 – September 2021

A personal project, aiming to alleviate the effects of period poverty in developing countries. Designed a period product steriliser, which women and girls could use to sterilise period products, so that they become reusable, creating a long-lasting, hygienic supply of period products.

[user research](#)

[human-centred design thinking](#)

[designing for complex issues](#)

experience

MathWorks – UX Design Intern

April 2023 – September 2023

I supported the Text Analytics Toolbox and Deep Learning Verification Library, designing educational features to help users through their workflows.

MathWorks – UX Design Intern

July 2022 – September 2022

I worked on the redesign of the MATLAB interface, extending accessibility support for MATLAB online.