

anusha narayan

human-centred design engineer

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profile

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. I have extensive experience of tackling complex, user-centric issues that require systemic level interventions. A dedicated and motivated team player, 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](#)
- [courses in](#): human-centred design, sustainable design, design for behavioural change, machine learning, data science, python, javascript, matlab, fea, solid mechanics, electronics
- [Thesis](#): Improving the Mental Health Outcomes of Premature Babies by Promoting Positive Sensory Experiences during the Early Stages of Development

The Henrietta Barnett School – A Levels

2013 – 2020

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

experience

MathWorks – UX Design Intern

April 2023 – September 2023

- supported the [Text Analytics](#) and [AI Verification & Validation](#) teams
- [sole UX representative](#) to Text Analytics team, working to design new features to enhance data preprocessing
- in charge of redesign of instructional diagrams – [how to implement AI into safety critical systems](#)

MathWorks – UX Design Intern

July 2022 – September 2022

- worked on [redesign of MATLAB interface](#)
- designed new features for the Parallel Computing Toolbox
- extended [accessibility support](#) for MATLAB online

projects

Pulmo

October 2022 – March 2023

- group project as part of a [Design Engineering Futures](#) module
- aimed to solve the problem that [respiratory health will worsen in urban centres](#) over the next 20 years
- designed a [wearable patch](#) that monitors a variety of data points to detect and generate a preliminary diagnosis for lung disease

U Me

January 2022 – June 2022

- group project as part of an [Industrial Design](#) module
- aimed 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

The Period Product Steriliser

July 2021 – September 2021

- personal project
- aimed 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](#)