

# anusha narayan

## human-centred design engineer

07443573938

anusha.narayan2002@outlook.com

linkedin.com/in/a-k-narayan

anushanarayan.com

### 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](#)