

# Sharthak Rai

☎ +447455401143 | ✉ sharthakrai@gmail.com | [Portfolio](#) | [Linkedin](#) | [GitHub](#)

## TECHNOLOGY STACK

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**Front-End** : HTML, CSS, JSON, Bootstrap, JavaScript, React.js.

**Back-End** : Node.js, Express.js, Python, NPM / Yarn, MySQL.

**Other** : Git, GitHub, Hyper-Terminal, Trello, Notion.

## RELEVANT EXPERIENCE

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### PROJECTS

#### *Portable-Console E-commerce website*

- Tech-Stack: HTML, CSS, JSON, JavaScript, Git.
- Responsive (Media Queries) E-commerce website, displaying Handheld consoles (DEMO).
- Products displayed and selected with slider animation to enhance user experience.

#### *Rain-Radar Cyclist Navigation Application*

- Tech-Stack: HTML, CSS, Bootstrap, JavaScript, Git, APIs.
- Rain Radar on map display (Rainviewer API) | Location weather type (Openweathermap API).
- Navigation for cyclists (Google Maps Directions API)

#### *FilmFix: React.js website to search Films*

- Tech-Stack: HTML, CSS, JavaScript, React, Git, API.
- Users can search for any movies (DEMO).
- Includes search engine, omdbAPI integration.

### Maths and Computer Science Tutor

Jan. 2022 - Present

#### *GoStudent, MyTutor*

Remote, UK

- Taught Programming fundamentals (Variables, Data types, Conditions, Loops, Functions).
- Took the time to learn about each student's individual strengths and weaknesses.
- Positive reinforcement approaches were used to provide feedback and develop growth mindset.
- Grew working relationships with students and maintained rapport whilst evaluating progress.

## EDUCATION

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### Masters of Science (MSc) in Computer Science

Nottingham, UK

#### *University of Nottingham*

Sept. 2020 – Sept. 2021

**Notable Modules:** Programming, System and Networks, Databases, Interfaces, Software Design Principles, Games, Data Modelling and Analysis.

### Bachelors of Engineering (BEng) in Architectural Environmental Engineering

Nottingham, UK

#### *University of Nottingham*

Sept. 2017 – Jun. 2020

**Notable Modules:** MATLAB, Simulink, Discrete Mathematics, Calculus, Design Engineering Group Projects, Thermodynamics and Fluid Mechanics.

## EXTRACURRICULAR

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**Clubs** : Social Secretary of Thai-Boxing Society, Public Speaking Society, YMCA Basketball Coach (children).

**Other** : Thai-boxing, Basketball, Calisthenics, Hiking, Solo-Travel, Gaming and Medical Volunteer (Clinical Trials).