

# Sharthak Rai

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## PERSONAL PROFILE

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Driven and analytical individual with a passion for technology looking to start a career in Web Development. Through extensive academic and extracurricular experience I'm able to demonstrate strong critical thinking, communication, and people skills. Remarkably able to thrive in fast-paced and challenging environments where accuracy and efficiency matter.

## RELEVANT EXPERIENCE

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### Web Development Experience

Present

*Portfolio*

UK

- Built a Rain-Radar Cyclist Journey planner powered by Google Maps, Rainviewer and OpenWeatherMap APIs.
- Developed Front-End for 2 websites with modern JavaScript frameworks, HTML5, CSS3.
- Established website back-end and database with PHP and MySQL.

### STEM Tutor

Jan. 2022 - Present

*MyTutor.co.uk, GoStudent.org*

Remote, UK

- Taught exam strategies for GCSE: Maths, Computer Science, Physics and Chemistry.
- Took the time to learn about each student's individual strengths and weaknesses.
- Positive reinforcement approaches were used to provide feedback.
- Grew working relationships with students and maintained rapport over time.
- Evaluate students' progress and adjust instruction based on feedback.

### Technology Internship Experience

Jul. 2020 – Aug. 2020

*Bright Network*

Remote, UK

- Virtual Internship curated by the Bright Network that helped develop tech sector specific skills through completion of tasks and workshops assigned and ran by Atos, Amazon, Accenture, Google, and Goldman Sachs.

## EDUCATION

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

Nottingham, UK

*University of Nottingham*

Sept. 2020 – Sept. 2021

**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

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

## TECHNOLOGY STACK

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**Programming :** HTML5, CSS3, JavaScript, Liquid, Python, SQL (MySQL), PHP.

**Certifications :** CompTIA Security+ (In Progress), CompTIA Network+ (Pending Start), CYSA (Pending Start).

## EXTRACURRICULAR

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**Cyber Security :** TryHackMe, HackTheBox, Darknet Diaries (Podcast) and Cyberwire Daily (Podcast).

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

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