

# Sharthak Rai

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## TECHNOLOGY STACK

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

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

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

## RELEVANT EXPERIENCE

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### Web Development Experience

Present

#### *Projects*

UK

- Built a Rain-Radar Cyclist Journey planner powered by Google Maps, Rainviewer and OpenWeatherMap APIs.
- Developed Responsive E-Commerce Site using modern JavaScript frameworks, HTML5, CSS3.
- Created an Endless Runner game using Python (PyGame) through Object-Orientated Programming.
- Established back-end and database with PHP and MySQL for a project.

### Maths and Computer Science Tutor

Jan. 2022 - Present

#### *MyTutor, GoStudent*

Remote, UK

- 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.

### 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

**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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**Cyber Security** : TryHackMe, HackTheBox, Darknet Diaries (Podcast), CompTIA Security+ (In Progress).

**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).