

Sharthak Rai

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RELEVANT EXPERIENCE

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.

STEM Tutor

Jan. 2022 - Present

MyTutor.co.uk, GoStudent.org

Remote, UK

- Taught exam strategies for GCSE: Maths, Computer Science and Physics.
- 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

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.

TECHNOLOGY STACK

Web Development : HTML, CSS, SASS, JavaScript, React.js, Git, Python, MySQL, PHP

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

EXTRACURRICULAR

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).