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 Front-End for websites using modern JavaScript frameworks, HTML5, CSS3.
- Established website back-end and database with PHP and MySQL.
- Created an Endless Runner game using Python (Pygame).
- Created a number guessing game where the computer guesses the number youre thinking of using Python.

STEM Tutor   Jan. 2022 - Present
MyTutor.co.uk, GoStudent.org   Remote, UK

- Taught exam strategies for GCSE: Computer Science, Maths, 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

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

Front-End : HTML, CSS, SASS, JavaScript, React, Jquery, Bootstrap, Material-UI.
Back-End : Node.js, Bowserify Npm/Yarn, Python, MySQL, PHP.

EXTRACURRICULAR

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).