

Education

M.Eng. Computer Science (Ongoing) · September 2015 - July 2019
Completed Year 1 and 2 with a 2:1
University of Bristol - Bristol, United Kingdom

Skills

Proficient: JavaScript, Java, C, Python, Haskell, HTML & CSS (Sass), Git
Familiar: R, Ruby, SQL, MongoDB, MATLAB
SDKs and Frameworks: React, Tensorflow, Android, Jasmine, Enzyme, Polymer

Experience

Teaching Assistant · January 2018 - April 2019
Assisted with lab sessions of the Database and Cloud Concepts unit at the University of Bristol.

Additional Certifications

Associate Android Developer

Google Developers Certification

Neural Networks and Deep Learning

deeplearning.ai · Coursera

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

deeplearning.ai · Coursera

Structuring Machine Learning Projects

deeplearning.ai · Coursera

Machine Learning

Stanford University · Coursera

M101JS: MongoDB for Node.js developers

MongoDB University

Introduction to R

Microsoft · edX

Ruby on Rails: An Introduction

Johns Hopkins University · Coursera

Projects

Kukatune · Team of 6

- Awarded 80% after scaling for relative contribution within the team
- A music request web app developed for a client as part of the Software Engineering Project
- Used React, Redux, Webpack, GraphQL, and ExpressJS
- Social media aspects like a feed and location based event recommendation
- Responsible for front end design and animations and implementing offline functionality using Service Worker

React Layout Transition

- An open source library for simplifying layout transitions in React
- Created the library to improve the developer experience around animations on the web
- Uses TypeScript for static type checking and Jasmine and Enzyme for testing
- Github Stars: 39

Recycling Android App · Team of 5

- Won the prize for Best Environmental Impact in the 24 hr. Hackathon by Boeing and Computer Science Society Bristol held in February 2017
- Android app that gives users information on how to recycle items by scanning their barcode and using current location for local council recycling rules
- Responsible for implementing the views of the app and handling data flow between app and server

Scotland Yard Game Project · Team of 2

- Awarded 75% for the project
- Coursework for the Programming and Algorithms unit which involved creation of the model of the Scotland Yard board game to complete the provided MVC framework and an AI system to play the game.
- Implemented the use of ThreadPools and other classes from the Concurrent package to improve performance of the Monte Carlo tree search algorithm along with heuristically scoring each board.

Bettering Magazine Website

- Created the website of Bettering Magazine, a non-profit magazine based in Bristol which helps local charities.

Involvements

Manor JCR Committee · May 2016 - April 2018

Serving as President (2017/18) of a committee of 15 members that handles the social and recreational activities of around 380 undergraduate residents of Manor Hall of University of Bristol.
Previously served as an International Representative with the special duty towards international students.

DigiMakers Bristol · October 2015 - present

Conducts workshops for children aged 7 – 17 where they are given an introduction to creating websites using HTML and CSS with the help of Bootstrap

Volunteer at Anant Vikas - Mind Genius Trust Initiative · June 2013 - January 2014

Student volunteer at Anant Vikas who along with United Nation Volunteers addresses challenges of extreme poverty and rural development in India