

# SIMRAN RAI

<https://github.com/srai98i> | <https://simranrai.vercel.app/>

## ABOUT ME

Over the course of 16 weeks, I went from being a coding beginner with little knowledge of anything tech related to a junior full stack developer. After finishing my degree in Biomedical Sciences, I wanted a fulfilling career where I can continually learn, be challenged and even make a difference, and realised the tech industry is the perfect place to be. I left my comfort zone and made the switch from science to tech. I believe my hardworking, humble nature and willingness to learn would make me a perfect fit for a career in tech.

## SKILLS

### Technology I've worked with:

Front-end: HTML, CSS, JavaScript, React, Next JS, CSS Tailwind, TypeScript

Back-end: Node JS, Express, PostgreSQL

Infrastructure: Amazon Web Services, Heroku, Netlify, Vercel

Testing: Cypress, Jest, Supertest

Authentication: Auth0

Project Management tools: Trello, Figma, Miro, Google Jamboard

Version Control: Github

## Soft Skills

Problem Solver: I enjoy solving problems and enjoy software development a lot as it is all about finding solutions

Fast Learner: Over the course of 16 weeks, I have picked up how to use a variety of tech tools to build apps.

Collaborator: I have successfully worked in different teams with people I have not met before to build full stack applications.

Logical and Analytical: My background in Science means that I have a very logical and analytical approach to problem solving. I have found that this helps me understand how programming languages work which allows me to learn quickly

Attention to detail: In Science, details as small as a decimal point are extremely important and can have huge implications. This means I have an eye for detail which is especially helpful during the process of debugging.

Communicator: I have regularly pair-programmed and worked in teams. This helped me build the skill to concisely communicate my thought process while also listening to and considering differing viewpoints to come to a general consensus on a solution.

Works Well Under Pressure: I have delivered functioning full stack MVPs in short time frames

Curious: I enjoy learning new things and find tech to be exciting because the learning never stops. After the bootcamp, I plan on building on what I have learnt while also exploring tech I have not had any experience with.

Patient: This allows me to learn new tech and come up with a solution very quickly

## EXPERIENCE

### Bootcamper | School of Code (May 2022 - Aug 2022)

- An intensive 16-week course to introduce Bootcampers to the tech industry and the skills needed to succeed in the tech industry.
- Learnt and worked with front-end technologies (HTML, CSS, React), back-end technologies (Node JS, Express, PostgreSQL), authentication technology (Auth0), testing frameworks (Jest, Cypress), infrastructure (Amazon Web Services, Netlify, Heroku) and various project management tools (Miro, Figma, Trello) to build full stack applications.
- Every week was spent pair-programming and participating in hackathons which evolved my problem-solving and communication skills.
- Projects were run using agile methodology. Implemented a system of rotating scrum masters in charge of each day. A typical day involved morning stand-ups for defining goals and blockers and retrospectives for reflection. A Github strategy of branching and merging was implemented. Tickets were organised on Trello, wireframes were made on Figma and Moscow analysis was used to define our MVP and stretch goals.
- Mid-course project: Athena Resource Tool. A group of myself and four other Bootcampers, built a full stack MVP of a resource sharing app. Gained a deeper understanding of how to work in software development teams using agile methodology and how to build RESTful APIs.
- Side project: Hero's Journey Personality Quiz. A group of myself and two other Bootcampers built an MVP version of a personality quiz based on the Hero's Journey during weekends. Continued working using agile methodology and used this opportunity to explore new frameworks (Next JS and CSS Tailwind) and participate in code reviews.
- Final project: Project Clean-up. A group of myself and five other Bootcampers built and deployed a full stack app in four weeks for people to organise environmental clean-ups in their local areas. Gained a deeper understanding of new frameworks (Next JS, CSS Tailwind) as a group, and explored different libraries and packages (Ant Design, Formik, Leaflet, Toastify). Deployed the front-end on Netlify and deployed back-end on Heroku. Gained more confidence in discussing pros and cons of implementing certain technologies in our project and finding solutions to various problems in a timely manner to fulfil the project brief in a 4 week time limit

## EDUCATION

2.1 in Biomedical Sciences with Global Health at St George's University of London  
(2017-2020)

A-C in A Level incl Biology (A) Chemistry (B) & Maths (C) (2015-2017)

A\*-A in 13 GCSEs incl English Language & Maths (2013-2015)

## HOBBIES

Programming languages are not the only languages I love to learn. Currently, I am learning Brazilian Portuguese and have made the effort to attend lessons and communicate with native speakers. The experience can be awkward since I'm out of my comfort zone trying to communicate in a language I do not know fluently, but it is rewarding since I've made friends from this experience and can communicate at a C2/B1 level, which is conversational. In the next few months, I hope to become fluent.

## REFERENCES

Available on request