

Tanvir Basi

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[LinkedIn](#) |

[GitHub](#) |

[Portfolio Website](#)

Education

BSc (Hons), Computer Science - University of York

Sep 21 – Jun 24

Modules: Software Engineering, Embedded Systems, High-Performance Systems, Probabilistic & Deep Learning

Experience

Nightline Association – Remote

Apr 23 – Pres.

Software Developer

- Volunteer for a student mental health charity that enables universities to operate their own listening services.
- Responsible for developing, testing and maintaining applications using the **LEMP** stack with **Laravel** and **Vue.js** as well as assisting support specialists to resolve technical queries like feature requests or API integration.

Amazon Web Services – London

Jun 23 – Sep 23

Solutions Architect Intern

- Placed in the SMB team, I was assigned to a team developing an AWS cryptocurrency trading gameday.
- I automated the creation of Active Directory for each team and a **Linux** workspace for each participant using **CloudFormation** (Infrastructure as Code) and tracked software installation using a **Python** script with SSH.
- Aided with development of a hackathon made to promoting the CodeWhisperer AI service, where I helped to develop the sites front-end for user sign up, team creation and score display using **JavaScript**.
- Completed a 4-week accelerated AWS Tech U curriculum with modules comprised of Cloud Fundamentals, Networking, Highly Available Web Applications and Machine Learning/AI.
- Achieved 2 **AWS Certifications**: Cloud Practitioner and Solutions Architect – Associate.

Oemsecrets.com – York

Junior Web Developer

Apr 22 – Mar 23

- Successful in my initial part-time internship, I was promoted to a full-time position for the summer.
- Created an API and JavaScript Plugin using **Native PHP** and **Native JavaScript** that displays custom product data as an advertising banner that can be placed on third-party sites.
- Created a plugin for an electronics trade journal using **JavaScript** to help increase traffic on the site - [Website](#).
- As a small team, we redesigned the details page for individual components to include the data I had scraped so the pages became indexed by Google (**PHP**, **Bootstrap 4**, **JavaScript**). Resulted in 70,000 newly indexed pages.

Data and App Development Intern

Jan 22 – Mar 22

- Created scraping software to collect data from a variety of sources such as APIs and websites both dynamic or static using BeautifulSoup4 and Selenium alongside methods like VPN rotation and operating via remote servers.
- Extracted, parsed and then cleansed the data in a MariaDB server using **SQL** queries and **Python** scripts.
- After collaborating with the marketing department, I built 5 plugin concepts using **JavaScript** for sales pitch demonstrations to convince manufacturers to run our part search engine on their websites.

Projects

Reddit Stock Post Classifier - [GitHub](#) | [Website](#)

- Began the project to save time when accessing stock research on reddit by filtering out the bad posts using machine learning/supervised classification based on stock growth percentage and text data to save time.
- Pre-processed large amounts of data obtained from Reddit using the Push shift API and labelled each post with the growth of the stock being recommended using Python and IEX. Stored the data in **MySQL** database.
- Trained model with naïve-bayes to detect if a stock will grow by more than 2% with 75% accuracy (**scikit-learn**).
- Built a 3-tier web application featuring my results by building an API, using **Express**, to fetch information from the database and **React** to render my 14,000-row database using server-side pagination. Deployed to **Azure**.

Social Media Application – [GitHub](#)

- Developed a basic social media application that allowed CRUD operations on the register, login, post, comment and add new friends' system (**PHP**, **Blade**, **Laravel**, **JavaScript**, **Bootstrap**, **MySQL**).
- Led a team of 3 other students where I organised meetings, delegated tasks and helped teammates debug.
- Used Laravel Migrations, Seeding and Telescope to debug and improve the efficiency of the application.
- Setup a **Linux** virtual machine for the development environment using **Vagrant**.

Skills

Programming: Python, JavaScript, PHP, Java, C/C++, Haskell, SQL

Other: React, Express, Vue.js, Laravel, HTML, CSS, Git, AWS