Karthik Sridhar | Penultimate Year, Computer Science

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Professional Profile

Hardworking and inquisitive student who is always ready to challenge the status quo. Keen on Data Sciences and Machine Learning, I have experience in Data Modelling, classification, algorithm development and program automation. Besides, I have been learning UI/UX design and development along with an exposure to building REST APIs.

I am looking for an internship that will allow me to utilise my problem-solving skills and programming knowledge in order to gain valuable experiences for a better future.

Education

MEng Computer Science
University of Bristol – 2017-2021 (expected)
Completed 2 years with First Class in Functional Programming, Computer Architecture, Software Product Engineering and Data Sciences.
Current Grade: 2:1

High School Examination
The Orchid School, Pune – 2015-2017
Achieved an overall score of **90%** with an aggregate of 93% in Physics, Chemistry and Math.
Achieved a school high of 95% in Computer Sciences.

Technical Skills

Proficient: Python, Java, C, Git and MySQL
Familiar: HTML & CSS, JavaScript, C++, C#, Haskell and XC
Frameworks: Flask, SpringBoot, Tensorflow/Keras, .NET and Android
Tools: AWS EC2 and Elastic Beanstalk, Heroku, Circle CI, Camtasia, Adobe Photoshop and Xd

Technical Experience

August 2019 – September 2019   **Zone Digital, London**
                                            Student Intern

Outline
Give a high-level overview of the role to show how you fit into the organisation and what the overall goal of your role is. 1-3 lines should be enough.

Key responsibilities
- Detail your responsibilities and showcase as much of your skills and knowledge as possible
- Use professional language and show how your duties impact the business where possible
- Give lots of detail in recent roles and less in older roles as you go down the CV

July 2017 – August 2017   **Persistent Systems, Pune**
                                            Software Development Engineer Intern

Outline
An above par aptitude test score and my passion for Machine Learning earned me a place amongst five others to take part in Persistent's six-week learning programme.

Key responsibilities
- Worked with high level datasets of medicinal drugs, symptoms and diseases provided by the NHS Singapore.
- Used big data tools like Apache Spark and Python's matplotlib to visualise the data.
- Applied concepts of Logistic Regression to given section of data where classification was binary.
- Gained valuable learning and experience with a certificate of completion.

Additional Certificates

Machine Learning – Stanford University, Coursera

Data Science and Deep Learning with Python – Sundog Education, Udemy

Introduction to Data Analytics with AWS – CBT University, Udemy

Problem Solving – Silver - HackerRank

Key Projects (all projects can be found on karthiksridhar.me/projects.html)

Bristol Buddies – An android application cum website that helps the incoming international students connect with current students of similar interests. Used Android Studio for the UI; SpringBoot, MySQL and Retrofit to make the REST API; Oracle Cloud to host the website and Circle CI for continuous integration. As part of the Software Engineering course, we were awarded a first for our result and contribution.

Pynenka – A simple twitter bot that scrapes live football scores and tweets them back to respective mentions. Used Twitter's Tweepy and Python's BeautifulSoup, hosted the app on Heroku for full automation. Currently working on enhancing the features and performance of the bot.

Mammographic Mass Analysis – Performed a binary (malignant/benign) classification accuracy test on the public mammographic masses dataset provided by UC, Irvine. Applied several different supervised Machine Learning techniques such as Decision Trees, Random Forest, KNN, SVM, Naïve Bayes and Logistic Regression and compared the results. Eventually used Keras to create an Artificial Neural Network for the same. Achieved an average accuracy of 80%.

Spam Classifier – A spam/ham text classifier using scikit-learn's ML libraries as an experiment with Natural Language Processing (NLP). Used Python's Flask micro web framework to write the program and deployed it on Heroku.

KarthikSridhar.me – My personal website. Used HTML-5, CSS-3, JavaScript along with Bootstrap and jQuery to build my website from scratch. Hosted the website on GitHub Pages.

Voluntary Work

July 2016 – August 2017

Khushiyaan, Pune
Poverty Alleviation Volunteer

A couple friends and I formed a group to collect old clothes, toys and left-over foods to distribute to the needy, especially the children in order to bring a smile on their faces. I was successfully part of five such occasions and always returned with full satisfaction

May 2015 – June 2015

Art of Living org, Pune
Organising Volunteer

Took part in Art of Living's self-development programs and gave back to the community by doing Seva (selfless service) whilst organising a recreational event.

Links

References available on request