Karthik Sridhar

Final Year Computer Science Student

Budding student with good work ethics and an inquisitive mind to make a mark in the field of Data Science and Natural Language Processing. I have balanced between Academic performance and gaining practical experience. I am currently at 2.1 or Upper Second and on course to finish with a First. My industry experience includes building Web apps, REST APIs and text analysis programs. Currently doing my dissertation to research on Aspect based Sentiment Analysis of product reviews.

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EDUCATION

MEng Computer Science
University of Bristol

09/2017 - Present   *Current and Predicted Grade - 2.1*

Key Courses with First Class

- Object Oriented Programming
- Software Product Engineering
- Computer Vision and Graphics
- Computer Architecture
- Data Sciences
- Computing Algorithms

High School Examination
The Orchid School

04/2015 - 05/2017   *90% Overall*

Key Subjects with 90%+ Score

- Mathematics
- Chemistry
- Physics
- Computer Science

WORK EXPERIENCE

Student Intern
Tesco PLC ↗

07/2020 - Present   *London*

A 6 week virtual business and technology internship to understand and contribute to the company's business model

Achievements/Tasks

- Working on a project pertaining to Climate Change.

Student Intern
Zone Digital, Cognizant ↗

08/2019 - 09/2019   *London*

Worked with Senior Data Analysts in the first half and Senior .NET Developers in the latter.

Achievements/Tasks

- Used Python and Google Analytics to build funnel charts for website workflows.
- Used Regular Expressions to clean, filter and anonymise text data.
- Used C# and ML.NET to develop a web application and apply topic modelling and text analysis.

Student Intern
Persistent Systems ↗

07/2017 - 08/2017   *Pune, India*

Joined Persistent's six-week experience programme for Machine Learning to eventually extract vital information from medicinal data.

TECHNICAL SKILLS

Languages - Python, C, C++, C#, Java

Frameworks - Flask, NodeJS, SpringBoot, VueJS

Databases - MongoDB, MySQL, SQLite

Cloud Services - Heroku, GitHub Pages, AWS EB

Tools - Visual Studio, IntelliJ, Trello, CircleCI

KEY PERSONAL PROJECTS

Chroma: A VR Puzzle Platformer ↗
- A full-fledged VR game with 3D freehand drawing to solve puzzles.
- Used Unity, OpenCV, AutoDesk Maya and various technologies.

AlumaMeet ↗
- MVP for a social-media app for schools to enable students to connect with the alumni.
- Used industry standard tech stack like Flask, VueJS, MongoDB and MySQL.

Dartboard Detector ↗
- CLI program to detect dartboards on digital images by combining various Image Processing and Computer Vision techniques.
- Achieved 85% accuracy using OpenCV and C++; supported by pre-compiled binaries.

Personal Portfolio ↗
- Personal portfolio to gain experience in web development.
- Used industry standard web framework like VueJS and NodeJS to host the site on GitHub pages.

CERTIFICATES

NLP with Python
Perian Data, Udemy

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

Introduction to Analytics with AWS ↗
CBT University, Udemy

HackerRank ↗
Problem Solving, Skills specialisation

Machine Learning ↗
Stanford University, Coursera