SHARAN MAIYA

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EDUCATION

The University of Edinburgh *Sep 2016 - Present*
BSc Computer Science and Mathematics (final year) Raw Average: 80%

The Glasgow Academy *Aug 2010 - Jun 2016*
7 Scottish Highers and 4 Advanced Highers all at grade A

PROFESSIONAL EXPERIENCE

Royal Bank of Scotland Summer 2019
Technology Intern *Headquarters, Edinburgh*

· Worked within Performance and Business Management to handle analysis of massive cost datasets and to automate reporting for the 2020 budget cycle (Python).

Centre for Speckled Computing Sep 2018 - Dec 2018
Part-time Researcher *The University of Edinburgh*

· Worked with wireless sensors developed in-house on various projects involving 3D-modelling of movement and rotation in real time (Python, Java, Unity3D).

Centre for Speckled Computing Summer 2018
Research Intern *The University of Edinburgh*

· Developed an Android app for golfers to analyse their swing plane. This used quaternion data streamed in real-time from a wireless sensor worn on the wrist (Java).

SELECTED PROJECTS

Weather and Wine
Model to predict the price of wine given various features including the weather at its winery.
System Design Project
Group project to design and build an assistive robot. I was project manager and implemented our robot's navigation system.
Google Location Data
Data exploration / analysis of my Google location history using Python (w/ Pandas + Matplotlib).

I regularly attend Hackathons to complete fun projects. For example at **Hack Harvard** my team and I were prize winners with 'HexLedger' - a flexible blockchain-based hacker profile. I worked on the back-end (Python, Multichain API).

I also enjoy creating small projects to help me understand techniques I read about in research papers or online. For example I implemented the Transformer from the well known paper "Attention Is All You Need" in PyTorch. Other examples are on my GitHub.

RELEVANT COURSEWORK

Data Analysis	(python, numpy, pandas, matplotlib, seaborn)
Machine Learning	(scikit-learn, tensorflow, pytorch)
Numerical Linear Algebra	(matlab)
Statistical Computing	(R)
Algorithms and Data Structures	(python, java)