

PRATYUSH RAVISHANKAR

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EDUCATION

University of Warwick

MEng Computer Science

Sep 2018 - Jun 2022

- Current: 75% (First Class Honours)

Queen Elizabeth Grammar School, Wakefield

Sep 2011 - Jul 2018

- 2A* 2As at A Level in Mathematics, Further Mathematics, Chemistry and Physics
- 9A*s at GCSE

EXPERIENCE

Warwick Data Science Society

Coventry, UK

Researcher

Nov 2019 - Present

- Writer of research articles on topics surrounding Data Science.
- Recent article - **Word2Vec** (research.warwickdatascience.com/word2vec/) leverages **Python** and **Jupyter Notebook**

NETSCOUT

Ipswich, UK

Software Engineering Intern

Jun 2019 - Sep 2019

- Developed a full-stack web-app for an in-house language tool using **MongoDB**, **Express**, **React** and **Node**
- Solely created the minimum viable product, from self-learning the stack
- Wrote **Python** scripts to collect and analyse lab data using **NumPy**
- Demoed code regularly to both technical and non-technical colleagues

PROJECTS

Deutsche Bank Group Project:

- Built a system to monitor trade data and identify fat-finger errors (**Best Product - Winners**)
- I implemented decision trees - with no prior experience in Machine Learning - to detect erroneous data
- I also worked on server-side validation using **Flask** and **MySQL**.

Custom language parser (github.com/pratyushravishankar/custom-language-PLM):

- Made a parser, lexer and evaluator in **Java** for the language 'PLM', using abstract syntax trees

User identification via web-session tracking:

- Currently learning ML via mlcourse.ai, and using it to identify users from web-tracking history with **Python**

Network intrusion detection system :

- Written in **C** to analyse TCP/IP packets and detect malicious attacks.
- Dealt with ARP Cache Poisoning, SYN flood attacks and Blacklisted URLs.

Personal Website (github.com/pratyushravishankar/personal-website):

- Used to learn **ReasonML** - a static typed language - as a solution to needlessly prevent debugging JavaScript's unhelpful 'undefined' errors

SKILLS

Languages Java, Python, C, SQL, Javascript, React

Others MongoDB, Express, Node.js, HTML/CSS, ReasonML

Technologies Git, NumPy, Pandas, Gatsby, Jupyter Notebook, Netlify, Unix/Linux

INTERESTS

- Powerlifting, Tennis