

VARSHA VENKATASUBRAMANIAN

EXPERIENCE

Intuit

Aug 2020 - Present • Software Engineer 1

Full-stack development

Content Management System team

Jan 2020 - Aug 2020 • Co-op Intern

Schemas, services and AWS technologies

Content Management System team

May 2019 - Aug 2019 • Summer Intern

Comparison of tax forms through OCR

ProConnect Group

Mu Sigma

Jun 2018 - Jul 2018 • Data Analyst Intern

Problem Domain: Reducing Cafeteria Food Wastage

The research involved employee interviews and surveys. Food wastage data was collected and analysed through multiple regression models, and a live dashboard was created to monitor metrics.

PROJECTS

AryaBota (Accepted for publication at [IEEE EduCon 2022](#))

May 2021 - Present

A tolerant and gradual programming environment to introduce novices to programming in Python, implemented via a platform-independent web application.

- Visual and gamified learning: novices use code to control a robot in a grid and solve problems
- Accessibility for non-native English speakers: prototyped in Kannada language

Multi-Faceted Trust Based Recommendation

Jan 2020 - May 2020 • Dept. of CSE, PESU

A recommendation system that enhances collaborative filtering by taking into account four local and global trust facets. Weights for each trust facet are calculated by a neural network.

Timetable Manager

Jun 2018 - Aug 2018 • Dept. of CSE, PESU

Web application to generate semester timetables by using a combination of genetic and graph-colouring algorithms. It also allows timetable management and generation of different views as required.

EDUCATION

2016 - 2020 • PES University

BTech. Computer Science and Engineering,

First Class with Honors

GPA: 9.73/10, Class Rank 11/495

6X recipient of Prof. CNR Rao Scholarship

1X recipient of Dr. MRD Merit Scholarship

ROLES

Teaching Assistantships

Data Structures • Prof. N S Kumar

Discrete Mathematics and Logic • Prof. N S Kumar

Fine Techniques with C • Prof. N S Kumar

Subject Matter Expert, PESU I/O

Aug 2018 - Sep 2018

Mentored over 20 juniors in the basics of data science and visualisation

VOLUNTEERING

Project Sitara Foundation

Nov 2021 - Present

Program Management, Science and Math classes for Grade 10 Students in three schools in rural Karnataka

May 2021 - Nov 2021

Research and Curriculum Development, Numeracy Bridging for middle school students

Sep 2020 - Dec 2020

Curriculum Development and Teaching, Financial Literacy for middle school students

CERTIFICATES

Japanese-Language Proficiency Test, Level N5

Passed with a score of 135/180

SKILLS

Technologies

- Java, PHP
- React, Angular, CSS
- Python: Pandas, Flask, PLY
- AWS, Docker
- SQL, MongoDB

Tools

- PowerBI
- Figma
- Photoshop
- GIMP
- WordPress, Notion