

VARSHA VENKATASUBRAMANIAN

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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

Member of the Core Team

- Leading the STEM education program for Grade 10 students from rural Karnataka
- Working on Teacher Instruction Kits for teachers of the visually impaired, in collaboration with [Vision Empower](#)

Sep 2020 - Nov 2021

Curriculum Development, Numeracy Bridging Educator, Financial Literacy

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