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SRIKAR AYYALASOMAYAJULA

4 JARED BLVD, KENDALL PARK, NJ 08824

EDUCATION

UNIVERSITY OF MICHIGAN ANN ARBOR, MI

Major: Computer Science (B.S.E.)

Graduation: Exp. Dec 2021

Coursework: Data Structures,
Algorithms, Discrete Math,
Machine Learning, Web Systems,
Computer Organization

SKILLS/INTERESTS

Language Skills:

English.....Fluent
Hindi.....Fluent
Telugu.....Fluent

Programming Skills:

C/C++.....Advanced
Python.....Advanced
JavaScript.....Advanced
Android.....Intermediate
Java.....Intermediate
C#.....Intermediate
HTML/CSS.....Intermediate
SQL.....Beginner

Software/Libraries:

ReactJS, Selenium, Beautiful Soup,
Python NLTK, Unity Game Engine,
Blender Animation, Git, AWS
Amplify, AWS S3, MongoDB,
Mozilla DeepSpeech

Interests:

Table Tennis, Cycling, Music
Production, Video Editing, and
trying out exotic cuisines

INDUSTRY EXPERIENCE

SOFTWARE ENGINEERING INTERN • STEIGNET • JUN 2020 - AUG 2020

- Brought Quicksilver email classification model to over 90% accuracy by improving scenario-keyword association (Python, Excel)
- Used webscraping tools to pull, parse, and consolidate online data and help conduct market research (Selenium, BeautifulSoup)

SOFTWARE ENGINEER • UNIFLOW (STARTUP) • MAR 2020 - PRESENT

- Optimized student involvement on college campuses by creating a fully dynamic and interactive club management tool (ReactJS, Python, MongoDB)

SOFTWARE INTERN • SRI INTERNATIONAL • MAY 2019 - AUG 2019

- Implemented features such as closed caption and metadata support to the company's audiovisual test sequence generator (C++)
- Increased device's compatibility by 50% by adding support for multiple video cards (C, C++)
- Automated budget analysis by creating a parts cost calculation tool for hardware teams, reducing needed budgeting time by 90% (VBA)

PROJECTS

NLP METRIC TOOL FOR ALZHEIMER'S DETECTION • JUL 2020

- Designed a program that transcribes patient interviews and uses NLP to automatically calculate metrics for Alzheimer's detection such as Brunet's Index and Honore's Statistic (Python, DeepSpeech, NLTK)

"COLOR HOP" UNITY GAME • FEB 2020

- Created a 2D platformer game to learn about graphical vector physics and implementing captivating game mechanics (Unity, C#)

PERSONAL WEBSITE: [HTTPS://SRIKAR7A.GITHUB.IO/WEBSITE/](https://srikar7a.github.io/website/)

OTHER EXPERIENCE

CS INSTRUCTOR • JUNI LEARNING • AUG 2020 - PRESENT

- Taught students our Python curriculum up to the algorithms level so that they can build a strong programming foundation

TECHNICAL CONSULTANT • U-M IT SERVICES • NOV 2018 - PRESENT

- Diagnosed and fixed hardware, software, and network issues experienced by my university's faculty and staff to provide a smoother computing experience