

## Vedaanti Baliga

3025 Royal St, Troy Hall, LA, CA - 90007 | 213-675-7263 | vbaliga@usc.edu | <https://github.com/veda1234>  
<https://www.linkedin.com/in/vedaanti-baliga> | <https://veda1234.github.io/>

### EDUCATION

Master of Science in Applied Data Science, GPA: 4, **University of Southern California, CA** Aug 2021–May 2023 (Exp)  
BTech in Information Technology, GPA: 8.95, **Manipal University Jaipur, Jaipur, India.** Aug 2015–Nov 2019

### SKILLS

- **Programming languages:** Python, Java, C++, C
- **Database Servers:** SQL Server
- **Web Development and Frameworks:** Flask, HTML 5.0, CSS, React (basic)
- **Tools, libraries, and concepts:** Data Structures, Data Visualization libraries (Pandas, NumPy, Seaborn, Plotly), algorithmic trading, GitHub

### EXPERIENCE

**Machine Learning Engineer | Quant Binary, San Francisco (remote)** Sep 2020–Dec 2020

- Led a team and devised algorithmic trading strategies for the US stock market with Alpaca API, Python and back tested with Backtrader, Python.
- Deployed all algorithms on PythonAnywhere.
- Achieved a single day +9% profit and more.

**Software Developer (Intern) | Pikkal & Co - B2B Podcast Agency, Singapore (remote)** Aug 2020–Sep 2020

- Led a team and designed a chatbot in Python for helping clients with podcast information.
- Improved existing voice dynamics platform (data analytics for podcasts) with software development in Flask and machine learning.

**Full stack developer and Senior Project Assistant | Indian Institute of Technology, Delhi** Aug 2019–May 2020

- Developed and deployed a website, end-to-end/full stack for (CAST) pre-assessment of groundwater contamination using Flask and python libraries for visualizing and analyzing groundwater contamination data.
- Site URL: [www.cast.iitd.ac.in](http://www.cast.iitd.ac.in)

**Software Developer (Intern) | Samsung SDS** Jun 2018–Jul 2018

- Created web applications and web forms using .NET, C# and, SQL server on an industrial level.
- Conducted testing on a live project for a new website for Samsung service centers.

### ACADEMIC PROJECTS

**Intelligent music playlist generation using audio features and emotion detection** Fall 2021

- The application clusters a user's personal playlist based on audio features (liveliness, danceability, valence, tempo, etc.) and emotions (joy, sad, happy, etc.).
- Provides an easy-to-understand interface for users to do song exploration, filtering and uploading as well.

**Web browser for the pre-assessment of groundwater contamination (CAST)** Spring 2019

- Built and designed initial stage of groundwater project. This software is currently being utilized as a teaching and learning tool at Technische Universität Dresden, Germany.
- Named as one of best projects in Information technology (Manipal University Jaipur, 2019).

**Forecasting of Dell products** Fall 2018

- Devised a predictive algorithm to do market forecasting for products of Dell, with an innovative potential model for same, as part of a Dell hackathon.

**Smart Crop Management System (SCMS) using Raspberry-PI** Spring 2018

- Constructed a prototype for crop management with Raspberry Pi by working with Arduino (IoT), humidity and rain sensors. Selected for [startup scope program](#).

### ACTIVITIES

- Volunteered at the National Association for the Blind, India (NAB). Contributed to '[Sugamya Pustakalaya](#)' Summer 2016 (Online talking free book library for differently abled persons around the globe).
- Class representative at Manipal University Jaipur. Fall 2016

### PUBLICATIONS

- Second author for conference work (CAST - Contamination Assessment and Site-management Tool)- [https://www.bayceer.uni-bayreuth.de/FH-DGGV-2020/en/prog/bayconf/beitrag\\_detail.php?id\\_obj=18101](https://www.bayceer.uni-bayreuth.de/FH-DGGV-2020/en/prog/bayconf/beitrag_detail.php?id_obj=18101)
- Third author for publication at Groundwater- Contamination Assessment and Site-management Tool - Wiley Author Services: <https://ngwa.onlinelibrary.wiley.com/doi/10.1111/gwat.13137>