

Vedaanti Baliga

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EDUCATION

Master of Science in Applied Data Science, **University of Southern California, Los Angeles, 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, JavaScript (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.

Machine Learning 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

Software 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

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.

VANET Spring 2018

- Researched and learned about the Vehicular Ad Hoc Network (VANET). Delivered a comparison study on routing with NS3, NetAnim, Wireshark, and visualizations (GNU plot).

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
- 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>