



VENKATESH SANJAY VAHADANE

Course : **B.Tech**, Metallurgy and Material Sciences Engineering, 2022

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CGPA : 7.4



LANGUAGES KNOWN

English, Marathi, Hindi, Japanese

Subjects / Electives

DSA, Entrepreneurship development, Object Oriented Programming, Computer Programming

Technical Proficiency

Tableau Software, Content Writing, Microsoft Excel, C++, R Programming, Python3, SQL, Exploratory Data Analysis, Machine Learning, Decision Trees

SUMMER INTERNSHIP / WORK EXPERIENCE

Intern, Som Autotech

Dec 2020 - Jan 2021

Spent time learning about the functioning of the factory, which was primarily a Aluminum casting plant. Understanding the different processes, the kind of problems that arise and how they are dealt with.

My primary contribution based on my observation was suggesting scrap metal categorizations for different alloys. As the scrap itself is also valuable and better management of it will increase margins.

PROJECTS

Bank Data Loan offer analysis - Data Science

Apr 2021 - Jun 2021

[Bank data Analysis](#)

Problem: To build a model to decide if to give a loan or not to a prospective client. (Binary Classification problem)

Steps: Data Cleaning, EDA and its insights, Feature engineering, applying models, finding best performing models.

Results: 92% accuracy

interesting observations: Probability of loan being approved beyond a limit of duration increases dramatically.

Study of Ti-6AL-4V by powder metallurgy route and its characterization - Metallurgy

Jan 2021 - Present

Main idea: Searching for cost effective alternative to Titanium manufactured by Wrought method, which was found to be the powder metallurgy route. Going through literature in this area of research and finding shortcomings on which further study could be perfumed.

Findings: Issue of powder density was the biggest grey area that was identified, next steps involve varying different parameters to find the optimum setting to get the best possible result.

Exploratory data analysis and Survival Prediction - Data Science

Aug 2020 - Aug 2020

Problem: This is a classification problem competition on Kaggle.

Steps: Data Cleaning, EDA and its insights, Feature engineering, applying models, applying Logistic Regression, Decision Trees.

Results: 77.27% accuracy

interesting observations: Trend of likelihood of survival in rich people and women is higher.

[Titanic Data Set Analysis](#)

POSITION OF RESPONSIBILITY

Impressions Media Coordinator (2019) - Impressions

May 2019 - Dec 2019

Involved with handling content creation, forming MOU's with Media platforms also photography and videography where involved.

My primary role was that of a content creator, with aim at making eye catching and memorable sets of stories and slogans.

CERTIFICATIONS

CERTIFICATION

CERTIFYING AUTHORITY

DESCRIPTION

Google Data Analytics

Google on Coursera

Those who earn the Google Data Analytics Professional Certificate have completed eight courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for introductory-level roles in Data Analytics. They are competent in tools and platforms including spreadsheets, SQL, Tableau, and R. They know how to prepare, process, analyze, and share data for thoughtful action.

Share Data Through the Art of Visualization

Coursera

Course on using Tableau and best practices and methods on data visualization.

Intro to Machine Learning

Kaggle

A short online course provided by Kaggle. Was great place to pick up the basics of Machine learning.

CERTIFICATIONS		
CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Neural Networks	Coursera	After learning the basics of Data Science, I wanted to learn the concepts of Deep learning. Here I got an introductory understanding of them.
Data Science 2	Ethan's	This was a live class I joined to understand the topics like NLP, Computer vision, from its functioning to its implementation.
Problem Solving (Basic)	HackerRank	It covers basic topics of Data Structures (such as Arrays, Strings) and Algorithms (such as Sorting and Searching).
Learning how to learn	Coursera	With the rate of change in every walk of life highest it has ever been, constantly learning is a necessity. What better way to start this journey than by understanding the mechanincs of human learning.
Process Data from Dirty to Clean	Coursera	The first step to any data analysis process is cleaning the data, I learned about it in depth in this course.

EXTRA CURRICULAR ACTIVITIES
<p>Reading</p> <p>To read for me is like to breathe. No amount of digitization can ever takes its place. From the magic of being transported to a different world through stories, filled with adventures and joy and sorrows. To the Sea of wisdom enclosed between the cover. Almost anything and Everything that you may be searching for can be found here. For the one who reads nothing is hidden and everything is revealed.</p> <p>Guitar Playing</p> <p>A relatively new hobby yet one of the most rewarding. I had always felt I had lacked a sense of rhythm, a miss alignment with the tune of life. Learning to play the Guitar has proved to be an amazing journey that still continues. Teaching one the rhythm of the beats. Being in sync with this has in an unbeknownst manner also started making me be in tune with this Life.</p> <p>Writing Poems</p> <p>There often come times when we want to express something but there is no right way to it. When there is something that yearns to come out but is stifled. Poetry is the way for me.</p> <p>Kayaking</p> <p>Our college has a boat club, in the second sem of the first year i joined the 91st Kayak ballet show in my college and have been in love with the Kayaking ever since.</p> <p>This rigorous sport has proved to be very rewording for me. To be able to balance in one of the most unstable boat and achieve exhilarating speeds is truly a momentous experience.</p> <p>Being able to balance in the racer K1, the solo kayak is defiantly is a thing of pride but the true joy is in riding the K4, which enshrines the soul of kayaking. Speed, Synchronicity and Elegance.</p> <p>A breathless experience of absolute bonding with boat mates. This shall stay with me forever.</p>

VOLUNTEER EXPERIENCE
<div> <div>Isha Foundation - Role: Program Volunteer Cause: Health</div> <div>Dec 2018 - Dec 2018</div> </div> <p>An attempt to be a part of an activity where the question what is in it for me goes away.</p>