

SULABH MEHTA

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Nationality: India

Skills Summary

- Ability to code in various languages including Java, Python, C++, R, JavaScript, and more.
- Competence to implement a diverse set of Machine Learning algorithms efficiently by taking care of cleaning the data, where necessary.
- Practice in ANN with keras, Decision Trees, Random Forests, Naïve Baye's, and more using Sci-kit library and respective R libraries.
- Knowledge in designing and normalising database schema and implementing the queries in platforms like MySQL, MongoDB, Oracle, etc.
- Basic understanding of Front-End development libraries like React, Next.js, etc.
- Comfortable with Git and command-line based utilities.
- Learning how to develop simple native Android apps using Java and Kotlin.

Education

Bachelor of Computer Science (Big Data) | SIM-UOW

Expected to finish course by September 2022

Current weighted average grade: Distinction

Experience and Projects

Data Science Project

- Used and tested ML models to predict:
 - The salary of a developer based on country, education, and years of experience (using StackOverflow 2021 survey) and deployed using Streamlit.
 - Web spam by analysing [provided data](#) in R.
- Learnt how to pre-process large amount of data and the importance of doing so.
- Developed basic ML Algorithms (such as Decision Trees, and Naïve Baye's Classification) from scratch, and studied many more algorithms.
- Reviewed and implemented ML tasks to predict and classify data using python libraries of Sci-kit Learn, Keras of Tensorflow, and R libraries.

Room Booking Web App

- Worked on the Database schema design and implementation and assisted with React Front-End.

- Gained practical knowledge to build queries in MySQL.
- Developed react pages using suitable props and functions.

Blog Website

- Next.js static web app to display markdown pages as blog posts.
- Learnt about Next.js router that allows to do client-side route transitions between pages that makes the app smoother.
- Managed the CSS part with Tailwind CSS and deployed on the web with Vercel.

Basic Password Generator (Passey)

- A simple web app that generates a random password based on the user's choices built with HTML assisted by tailwind CSS, and TypeScript.
- The length of the password is a text field where REGEX is performed to check if the entered value is valid.
- Developed a CLI java version of the app too with similar functionality.

CLI Tic Tac Toe

- A simple java executable that shows a 3x3 grid for two players to play TicTacToe. Users must enter the co-ordinates of the cell they want to play at.
- Uses for-loops and conditionals to fulfil the task of verifying the input and figuring out the winner.

Awards and Extra-Curricular Activities

Dean's Merit Award

Receiver of Dean's Merit Award for maintaining a WAM of above 85 in 2020.

Writer at University IT Club Blog

Contributed a few tech related articles at 'SIM IT Club' blog. Available at <https://blog.simitclub.com/authors/sulabh-mehta/>

Shopee Code League

Received a certificate for participating in Shopee Code League in June-August 2020 where we were tasked to do some machine learning data analysis.

Languages

- English (Fluent, 80/90 PTE score in 2019)
- Hindi (Native)
- Punjabi (Native)
- German (Beginner)