

M Kaustubh

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LEARNING EXPERIENCE

Biotechnology Engineer :

1) Use of Image Processing in the Diagnosis of Covid-19

Key Responsibilities -

- Designed an effective and a novel approach in the detection of Covid-19 disease.
- Implemented the web hosting of the web app using AWS (Amazon Web Services)
- Mastered and employed the concept of Machine Learning and image processing for the project.

2) Use of Machine Learning in Drug Discovery

- Designed a machine learning model to predict active precursor molecules in the process of drug discovery.
- The model designed has an efficiency of more than 90 % and has passed various statistical tests.

3) Designed plant based scaffolds for culturing of Liver and study of Liver regeneration -

Key Responsibilities -

- Managed a team of two. And successfully delivered the project inspite the hurdles caused by covid-19
- The scaffold designed showed immense biocompatibility with hepatocytes
- It was also discovered that the scaffold had hepatoprotective activity against alcohol and has an application in Tissue Engineering and transplants.

4) Data Analysis on Pharmaceutical Drug sales over 6 years -

Key Responsibilities -

- Cleaned and processed data collected during Point Of Sale
- Determined the outliers in the data and analysed it while keeping the perspective of shareholders
- Reported the possible solutions while sharing the key information in the form of charts and graphs.

5) Data Analysis on User data collected from Bicycle riders on a health app (Cyclistic) -

Key Responsibilities -

- Cleaned and processed data collected.
- Determined the outliers in the data and analysed it while keeping the perspective of shareholders
- Reported the insights on average ride duration and ways to convert a customer into a subscriber.

6) SAS programming and Python for Statistical Analysis-

- Mastered the use of Python and SAS by implementing it in final year project.
- Learnt the implementation of SAS as a part of curriculum and applied it to various Biostatistic projects.

Digital Marketing : Worked as a paid intern for a start up Falcon X Logic

- Role - Enabled the networking of various B2B businesses and assisted with their customer acquisition.

Lead Generation: Falcon X Logic

- Worked to my full ability as a paid intern and successfully managed and equipped a team of 5 with the process of lead generation.

Key Responsibilities –

- Listing of potential customers
- Follow up of Businesses and provision of data required by businesses for customer acquisition.
- Bridged the gap between employees and higher ups

Data extraction and scraping : Middle East Oil and Gas project - 2021

- Successfully made contacts with various well established Oil Corporations from middle east and collected necessary information for target businesses.

Key Responsibilities and Achievements-

- Data mining
- Collected and Validated important information in correlation to the businesses in the same eco system.
- Highest paid intern in the team.
- Worked on more than **13000 row data spreadsheet** to update and validate confidential information.
- **Conducted** rigorous instruction of fundamental curriculum

EDUCATION

Florence Public School | ICSE Passed July 2016

- GPA: 83%
- *Cabinet Member*, Cultural and student council;

Seshadripuram PU College | Pre University Course Passed July 2018

- GPA: 79%
- *President of* Quiz club; Runner Up in State Level Quiz - PU Board , City Level winner at Inquisitive minds hosted by **Harsha Bhogle**

Sir M Visvesvaraya Institute of Technology | Bachelor of Engineering Biotechnology Expected Oct. 2022

- GPA: 8.13
- Founder of Theatres club - Abhinaya, Founding Admin to a famous college meme page - Idiosyncratic_mvrit__memes on Instagram.

SKILLS

C, Java, Python, R programming Languages | Excel | PowerPoint | Word | Solid Edge – machine drawings | Problem Solving | Molecular Gastronomy | Networking | Machine Learning and Image Processing | Data Analytics | Adobe Photoshop | Adobe Premiere Pro | Audacity | DaVinci Resolve | Literature Survey | Creative Design | Bioinformatics tools | SAS programming | Python programming for Biostatistics | Numpy | Sklearn

COURSE CERTIFICATES

- 1) University of Michigan - Getting Started with Python
- 2) The Hong Kong University of Science and Technology - The Science of Gastronomy
- 3) Google's Professional Certification - Data Analytics