



Trivikram Umanath

Lifelong Student

Calm, Levelheaded, Self driven, Smart worker, Multitasker and God Made

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WORK EXPERIENCE

Larsen and Toubro Infotech

Consultant - Package Implementation SAP

09/2021 - Pr Mumbai

Working in the ABAP Technical team for the Veolia-Agora Project

Achievements/Tasks

- Working on developing a Google Chatbot integrated with Hangouts to automate Service Now Incident operations such as Create, Get and Update incidents through chat.
- Worked on the development of various SAP Reports using ABAP.
- Worked on automation tasks of Google sheets, Service Now and large Excel files using Python.

Graduate Engineering Trainee

Larsen and Toubro Infotech

09/2020 - 09/2021 Mumbai

Working in the ABAP Technical team for the Veolia-Agora Project

Description

- Worked on the development, testing and troubleshooting of the Python code deployed on AWS Lambda using features like Lambda, CloudWatch, AWS CLI, S3 buckets, Step Function.
- Completed technical training on SAP ABAP, Java Script, CSS, HTML and RDBMS.
- Completed training on Workplace Compliance, Information Security, Data Privacy, Anti bribery.

IOT Intern

Department of Electronics and Telecommunication KJ Somaiya College of Engineering

01/2019 - 06/2019 Mumbai

Description

- Worked on the idea of Drip irrigation and innovated a smart moisture sensor based automation system which watered the plants on an algorithm based on the moisture content of the soil and the season using Raspberry Pi, Arduino and IOT.

Technical Intern

Riidl

07/2018 - 12/2018 Mumbai

Description

- Worked on drones and tried to develop a custom made Swarm drone technology using Raspberry Pi and ROS.
- Worked on Programming and mapping the pathway of Drones.

EDUCATION

BSC IN PROGRAMMING AND DATASCIENCE

IIT MADRAS

01/2021 - Pr 8.9

Completed Courses

- Machine Learning Techniques, Machine Learning Practise, Tools in Data Science, Modern Application Development, Machine Learning Fundamentals, Business Data Management, Data Base Management, Data Structures and Algorithm, Statistics, Mathematics, Python, Computational Thinking, English

BTECH in Electronics and Telecommunication

KJ Somaiya College of Engineering

06/2016 - 08/2020 8.17

Relevant Courses

- Big Data, Cloud Computing, Computer Networking, Wireless Communication, Operating Systems, C Programming

Class 12

Rajhans Vidyalaya (CBSE)

05/2015 - 05/2016 90%

Relevant Courses

- Physics, Chemistry, Mathematics, Biology, English

Class 10

BhaktiVedanta Swami Mission School (ICSE)

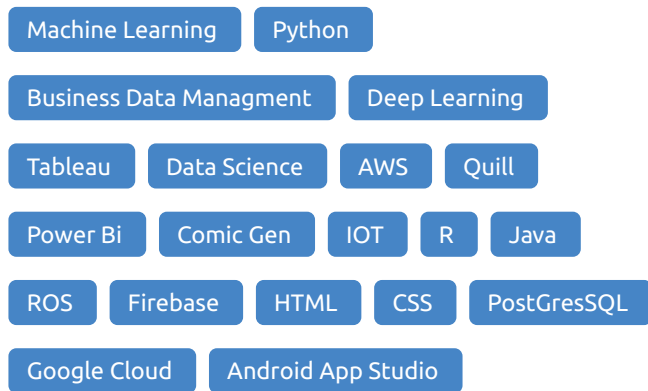
04/2013 - 05/2014 82%

PERSONAL PROJECTS

Quantified Self App (02/2022 - Pr)

- Worked on developing a end to end web application which dealt with tracking and logging daily custom activities such as running, sleeping, reading and visualizing the same for different users.
- The application was developed using Python coding Language with the Flask Framework, SQLITE Database, HTML for the web pages and CSS for styling.
- The application was deployed using Replit platform on the web.
- Currently working on improving it and adding new features.

TECHNICAL SKILLS



ACHIEVEMENTS

Best Capstone Project in Business Data Management Course(IITM) (09/2021 - 12/2021)

Selected as one of the best capstone projects from a class strength of approximately 300. Worked on Sales Data of the only wholesaler in a district in the country. The analysis carried upon were Sales, Utilities, Ailments and Product Type. Relevant Suggestions were given.

Second Prize in Technical Paper Presentation in KJSCE Tech Fest (08/2019)

Researched and presented a paper on Infra red sensors used in IOT.

Brain Child and Lead a Social drive for Old Age Homes (03/2019)

Worked upon laying the foundation for social drive events of college students assisting Senior Citizens in Old Age Homes facilitated through IETE Council.

Conducted and Instructed in Technical Workshops conducted by IETE (07/2018 - 06/2019)

Taught many workshops on topics ranging from MSP4300, Arduino, writing code, Raspberry Pi

Second Prize in Departmental Project Presentation (03/2018)

Engineered a home automation/security system using Raspberry Pi and Python fostering IOT.

Third Prize in National Science Olympiad (10/2013)

Stood 3rd from School in NSO.

Vice Captain of Blue House School Football Team (11/2013 - 11/2013)

Lead the School House team to bring home the Inter House Football Cup.

PERSONAL PROJECTS

Analysis on Sanjeevani Ayurvedics (09/2021 - 12/2021)

- Sanjeevani Ayurvedic is the only Wholesaler in Dinjan district who provide a wide range of Ayurvedic products from tablets to Syrups of various certified companies like Dabar, Baiydanath, etc.
- The Sales and Revenue Analysis was carried out on the Data using Brand, Product Type, Ailments and Utilities as fields to study and draw insights from the data.
- Some recommendations to improve the business include one of the post-Delivery drug used as a Maternal Supplementary seems to be giving large revenue and sales but the gross profit margin is just of 0.28. Being a high intensity purchase item, some alternative should be looked at a cheaper rate to increase profits.
- Daily Use Products especially those of Immunity Boosters, Honey should be bought largely in bulk always to get a better rate as they are perennial. Sugar disorders being perennial and drugs for the same giving reasonably good returns should be bought in bulk at a cheaper rate.

Predicting Life Expectancy (06/2020 - 07/2020)

- Aimed to predict the life expectancy of a Person the dataset considered wide ranges of parameters such as diseases, schooling, income and more. The Algorithm in use was Linear Regression coded from scratch to implement both Gradient Descent and Stochastic Descent approach to predict the life expectancy.

Genie Shopping System (07/2019 - 05/2020)

- Worked on a combination of IOT, Machine Learning and App building for my final year project. The project involved an app which had all the shopping item details which on placing the order relayed it to the Firebase Database and which further relayed to the Robotic Car which was created using Raspberry Pi which used line following system and custom Image classification model trained on custom images to pick up all the items and effectively shop.

Spam Filter using Natural Language Processing (08/2019 - 12/2019)

- Developed a Spam Filter using Machine Learning and Natural Language Processing from scratch without using any libraries and using a dataset of messages. Achieved an accuracy of 99 percent and 98 with cross validation. Used Naive Bayes Algorithm in implementing this project.

Salary Prediction using Machine Learning (06/2019 - 08/2019)

- Developed a code which could predict the salary of a person using Machine Learning. Using the dataset provided by UCLA on Adults. I was able to predict the Salaries of employees on the basis of both Categorical data and continuous data. The Algorithms used were Naive Bayes and K Nearest Neighbour which was scratch coded and achieved an accuracy of 82 and 80%.

Home Automation and Security System (02/2018 - 03/2018)

- Developed a home automation and security system using IOT on Raspberry Pi which included actual buttons as a mean of password and virtual buttons on app once the right password was inputted the lights were switched on. Security system includes a proximity sensor, Pi Camera, buzzer where a mail containing the picture of the intruder would be sent and an alarm would be rung.

INTERESTS

