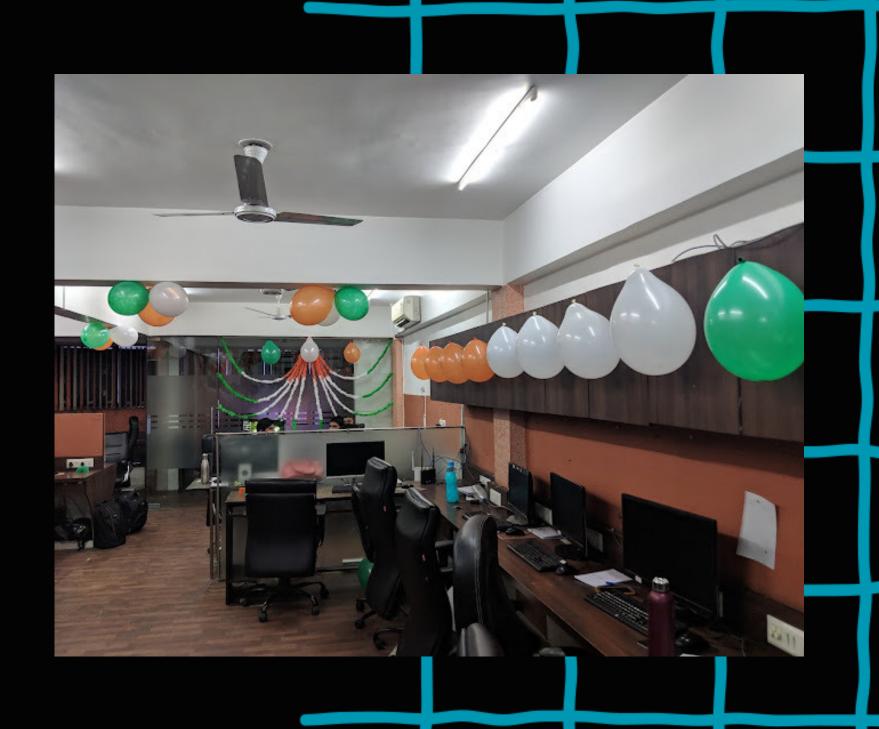
MODI SHRESHTHA(190130111081)

Anonymization pipeline



Eternal is a AWS partner web development based consulting company based in Ahmedabad and UK that provides cloud based product design and development solutions for businesses and startups



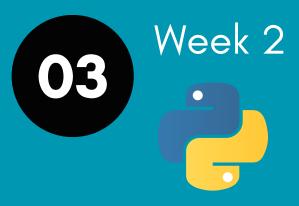


401 Satyam Mall Nr Mansi Circle, Satellite, Ahmedabad, Gujarat 380051

Taining



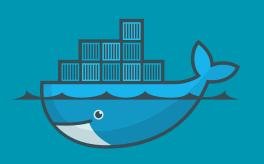






Taining











Weet



Installing python on Linux, virtual environments in python and the code skeleton of python, introduction to vscode intellisense ide and shortcuts for vscode



basic and nested loops, switch statements, basic calculator and a mad libs game



Data types, variables, typecasting



String, list, dictionary and array methods such as slicing, indexing and appending



Functions and modules, global and local scope, basics of understanding the errors and debugging them in python



Classes and inheritance and understanding of scope



Global and local variables and iterators



Modules and various types of modules, introduction to the pandas and numpy modules



Pandas (importing the csv data, understanding the csv data, getting the columns and other methods), working with csv data



FAPI and apis using python, pip and python file handling



Introduction to web scraping using beautiful soup using selenium



Python refresher + basics of computer networking components used on aws



What is cloud computing, advantages of cloud as compared to on prem and major cloud providers, models of cloud computing



Introduction to aws and the aws free tier, aws core values and principles



AWS networking components, basic services of aws storage and networking



IAWS computing services



AWS S3, EC2 and Lambda and their various tiers



AWS billing and pricing (budgets, cost explorer, cloudwatch and cloud logs) and understanding the budget analytics



AWS shared responsiblity model, importance of data privacy and protecting your data on the cloud



Components of data privacy and data anonymization techniques and aws solutions for data privacy



Project breif and aws cdn services and relaiblity



Misc aws services such as sns, inspector and macie for threat detection, Introduction to docker



aws database servies, aws servies for big data and machine learning



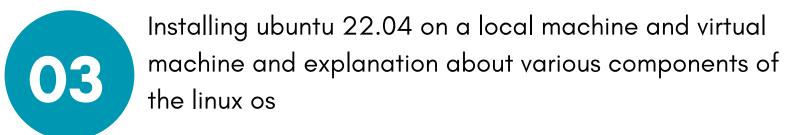
Docker components, architecture and docker basics



Frequently used docker commands and building a local docker instance from an image



Introduction to Operating Systems and kernels





Introduction to linux and it's various distributions



working with files, directories and linux file structures



shell training to learn more about installing and updating the packages, debugging dependency errors and using regex in shell to automate things, package manager



IManaging system units and logs, and managing users



open ssh and numerical permissions



bash history, output redirection, variables



scp and rsync



Introduction to version control, history of version control and basics of git



Installing github and local and online repository, git file structure and git pull, push and add



ssh git and other basics of github and project breif introduction



git rebash, git commit and git clone



Installing arx and running the arx instance locally



arx documentation understanding and sample anonymization

Project Abstract

Internet has an approximate of 4.6 billion users worldwide and they are growing at an astronomical rate. With the rise in users, privacy concerns also pop up. Data privacy is a complex area which happens to be a vital part of the internet ecosystem. This project aims at protecting the privacy of the user data by anonymizing the data using various statistical tools and techniques and proposing an end to end solution of the anonymized data on the AWS. The proposed solution's schema can be modified according to the need of the user and the type of the data with ease

Thank You So Much!