

JETHA HARSHA SAI EMANDI

Portland, Oregon.

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EDUCATION:

- **Master of Science in Computer Science**
Portland State University
Course Work: Full Stack Web Development, Machine Learning, Database Management, Design and Analysis of Algorithms and Database Implementation.
Sep 2019-Present
Aggregate: GPA 4.0
- **Bachelor of Technology in Computer Science and Engineering**
Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India
May 2017
Aggregate: GPA 3.5

WORK EXPERIENCE:

Tata Consultancy Services, Hyderabad, India

Sep 2017 – Mar 2019

Software Developer

- It is a web application of open reach portal, where will provide access to the dialogue services to the Communication Providers and can able to view or place the orders through the portal of the orders which are raised by the customers.
- Involved in developing the backend of one of the dialogue services in the portal where tasks primarily did in the Java, which involves according to the customer requirement for that release.

Program Analyst

- The main theme of the project is to cleanse address records of the UK on the Address Matching dialogue service in the Openreach Portal, so the address format is fully matched to the ordinance survey. It allows you to use the address information given by your customer to match the address against the Openreach system, improving accuracy in providing the service without the need for a field survey.
- Involved in extraction of records by writing the SQL queries and the address is analyzed in a tool which is developed to cleanse the addresses depending on the exchange and to remove duplicates address. In addition to that, analyzed the user information system needs and documented the daily reports of cleansing and did quality checks for the records cleansed.

ACADEMIC PROJECTS:

IMPLEMENTATION OF APPROXIMATION ALGORITHMS

Masters- Design Analysis and Algorithms

Implemented the approximation algorithms for 0/1 knapsack problem to find how those approximate algorithms are guaranteed to run in polynomial time and guaranteed to find high quality solution, say within 1% of optimum, by considering the 2-Approximation algorithm and Fully Polynomial Time Approximation schemes algorithm which are greedy and dynamic programming approach respectively. It is developed using Java.

MINIMIZE THE OVERFITTING

Masters – Machine Learning

The purpose of this project is to show how would be the overfitting on neural network using different parameters and checked how each parameter impacts overfitting. Mainly I dealt with the parameter dropout. It is a team project did analysis by considering a standard data set to reduce the overfitting and it is developed using Python.

OMNIRDS

Masters – Full Stack Web Development Project

It is a team project developed an application where we can find the details of weather, news and stock in one page with a good user experience. Mainly I dealt with the news section and it is developed using HTML, CSS and Javascript and Bootstrap.

STORE IT

B.Tech - Final Year Project

Worked as a team leader of the project and developed a Web application in order to share your links, text content and files over internet, thus it is a temporary storage area on internet where you can share with others. You can also set passwords for the things that you are going to share, and many users use their email accounts or social networking messenger to share links, text content or files but this is a simple way to share data over internet, developed using HTML, CSS, Bootstrap, PHP and JavaScript.

HOME AUTOMATION

B.Tech - Third Year Project

Worked as a team leader of the project and developed an IOT application in order to control home appliances, thus automating modern homes through the internet. Arduino runs a code to control a board according to the input and serves a webpage through which respective output to the board can be controlled, developed using Embedded C and HTML.

SKILLSET:

- **Languages and Tools:** C, C++, Java, Python, SQL.
- **Web Technologies:** HTML, CSS, JavaScript, PHP, Bootstrap, Node.js.
- **Databases:** Oracle 11g, Postgres.
- **Tools:** Maven, Apache Tomcat, Eclipse, Latex, MS Office Suite.

ACHIEVEMENTS:

- Oracle Certified Professional, **JAVA SE6 Programmer** (OCJP).
- Received **On the Spot Award** twice in team level and individual level to quality of work done in TCS (2018).