Sunku, Bhanu Kedhaar Nath

Dekalb, IL | Linkedin | Github | +1 (747) 308-8687 | bhanukedhar09@gmail.com

EDUCATION

Northern Illinois University   **Dekalb, IL**
Master's in Computer Science (GPA :3.780)   *Aug 2022 - Present*

Amrita Vishwa Vidyapeetham (Amrita University)   **Amritapuri, India**
Bachelor's in Computer Science (GPA:3.00)   *June 2017 - June 2021*

WORK WITH DATA

Border Crossing Entry Dataset
- Worked Extensively with Border Crossing Dataset from the United States Department of Transportation.
- Cleaned and Restructured the data for easy accessibility through Python Dictionaries.
- The Format of the data was not ideal specifically to understand the quantities of each port during every month. Created a new list of Dictionaries by adding a Measure-Value pair for every port and for a specific month.
- Restructured the list of Dictionaries into nested Dictionaries by adding all the monthly data as one specific dictionary this reduced the size of Dataset and repetition of data.
- Analyzing the data by finding and querying the necessary data and comparing by different ports and by Measures and Values. Used pandas extensively here
- Visualized the query data using matplotlib and altair. Get detailed work here.

Automobile Fuel Economy Dataset
- Worked on the Automobile Fuel Economy Dataset from the United States Department of Energy.
- Cleaned the data by shrinking the columns and reassigning the data type to reduce the size of the dataset. without losing any data.
- Dealing the missing and Null values.
- Querying the necessary data for analysis. Get detailed work here.

SKILLS & INTERESTS

Skills: Python,PostgreSQL, AWS, Docker, GCP, Git, Kubernetes, Mac Os, C, Java, Html, CSS, Tableau

Libraries: Pandas, Numpy, Matplotlib, Altair, OCR, OpenCV, Shutil, Zipfile, Json, Collections

WORK EXPERIENCE

University Campus Dining   **Dekalb, IL**
Student Worker at Neptune Dining Hall   *Aug 22 - Dec 22*
- Cleaned, Sorted and rinsed dishes and Utensils
- Help Prepare Food, Positively engaging with the students and serving the food.
- Maintained clean and safe environment, including in the Kitchen, Lobby and Building Interior
- Labeled and Stored Raw Food into appropriate Section storage Freezer, Walk-in refrigerator etc..

Alation   **Chennai, India**
DevOps Engineer Intern   *Apr 21 - Aug 21*
- Worked on Ec2 Mac Slave Integration with Jenkins
- Learned Various parts of Alation's Tech stack
- Delivered Key features for building Mac Applications using Jenkins
- Ran several Experiments around Scaling the Jenkins EC2 Mac Slaves
- Created a Design Document and migrated Alation's Mac-stadium anka slaves to AWS Mac instances and integrated with Jenkins Master and set up Auto-Scaling policies using swarm Slave Manager with AWS AMI template.

Axcess.io   **Bengaluru, India**
Cloud Engineer Trainee   *Dec 20 - Mar 21*
- Ran the Production SaaS Application by monitoring availability using Grafana and AWS Cloud Watch.
- Continuous deployment as per client request.
- Taking ownership of client's Issues.
- Working in global time zone

PROJECTS

Analyzing and Ranking Resume/CV
Final year Project   *Aug 20 - Jun 21*
- Objective: Analyzing and sorting the resume based on skills, experience and education for the employer and giving feedback to others who are not selected.
- Tools : NLP, Pyreparser, Python, Django, GCP, SQL, Html, CSS

CBSE Result Recognition Using OCR
Research Assistant   *Nov 21 - Jan 21*
- Collect mark list from scanned pdfs and convert into text using OCR and tesseract fill the excel using opencv
- Tools : OCR, Tesseract, OpenCV, Pythona and its libraries.

Music Store Management System
Group Project   *Feb 19 - Mar 19*
- Collect mark list from scanned pdfs and convert into text using OCR and tesseract fill the excel using opencv
- Created a Database that manages and handles the sales, inventory and Customer information.
- Created an Interactive web interface for customers and for owners.
- Tools : SQL, ER Schema, Html, CSS, Javascript.