

Vakani Venkata Pavan Karthik

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EDUCATION

SASTRA Deemed University

Bachelor of Technology in Computer Science

CGPA :- 8.43

Narayana Junior College

Intermediate

CGPA :- 10

Thanjavur, Tamilnadu

Jul 2019 – Jan 2023

Kandukur, Andhra Pradesh

June 2017 – Mar 2019

TECHNICAL SKILLS

Languages : C, C++, Python, Java, JavaScript, HTML, CSS, GO

Frameworks : React.js, Next.js

Familiar with : SQL, Operating system, Data Structures, Machine Learning, Cryptography, DBMS, Data Warehousing, Cloud Computing

software/Tools : Visual Studio Code, Git, Jupyter Notebook

EXPERIENCE

Cogoport

Software Development Engineer -1

Jan 2023 – Present

Mumbai – Maharashtra

Cogo Analytics Platform (March 2023 - May 2023)

- Worked as a frontend Developer on **Cogo Analytics Platform**, a powerful tool used for data visualization and dashboard creation
- Expertly used the platform's SQL query editor to extract and manipulate data for visualization.
- Designed interactive dashboards using a variety of chart types such as pie, line, area, and gauge charts.
- Enabled flexible customization of dashboards, arranging widgets to match user preferences and analytical needs.
- Developed the charts using **D3 and Apache E charts** for visualization of widgets in the dashboard.

New Employee Onboarding Platform (May 2023 - July 2023)

- Designed the UI for smooth onboarding process, used **hook - forms** in form submissions
- Troubleshoot and **fixed bugs** and issues in the frontend to ensure **smooth operation** of the applications

Cohort (July 2023 - September 2023)

- Lead a **cohort** project facilitating the creation of cohorts with courses and tests.
- Cohorts can be linked to multiple batches, with all cohort properties automatically applying to associated batches.
- Provided the capability to view statistics categorized by batches, courses, tests, and individual students.

ACADEMIC PROJECTS

Rice Leaf Disease Detection using Ensemble Classifiers by Performing Voting mechanism

Machine Learning - TensorFlow

- Developed the machine learning modal which takes the rice leaf images and classifies whether the rice leaf is effected by disease or not, if it is effected by disease it shows the disease name with a model accuracy of 93 percent.
- Frontend is designed using the Tkinter

To-Do List

Frontend Development- React

- Developed To-Do List web application, where the user can store all the tasks that need to be done and they manage them.
- Local Storage system is used to store the tasks.

Energy Efficient Clustering in Wireless Sensor Networks

Machine Learning - TensorFlow

- Compared machine learning algorithms for best cluster formation.

CERTIFICATIONS

- Merit certificate in web development provided by Technovids.
- Provide a 5-star ranking certificate in Python from Hackerrank.
- NPTEL certificate in IOT

EXTRA ACADEMIC ACTIVITIES

- Member in NSS.
- Participated in ExNoRA and SCORE Activities.
- Won district level championship conducted by AP government and participated state level.