

Vishnu Thumpudi

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EDUCATION

SASTRA DEEMED UNIVERISTY

B.TECH IN BIOINFORMATICS

Jun 2020 - Jun 2024 | Thanjavur, TN

Cum. GPA: 7.7032 / 10.0

S K V S JUNIOR KALASALA

CLASS 12TH IN BIEAP(STATE BOARD)

May 2020 | Vijayawada, AP

Obt. GPA: 9.19 / 10.0

V S E M HIGH SCHOOL

CLASS 10TH IN SSC CURRICULUM

March 2018| Bhattiprolu, AP

Obt. GPA: 9.5 / 10.0

SKILLS

PROGRAMMING & TOOLS

Proficient:

- Data Structures and Algorithms • Java
- C++ • Python
- SQL • Java • Javascript

Tools:

- AWS(S3, EC2, Athena) • Git and Github
- Visual Studio Code • IntelliJ

Familiar:

- C • Android • MongoDB • Firebase

LINKS

Github:// [vishnuthumpudi](#)

LinkedIn:// [vishnuthumpudi](#)

Leetcode:// [vishnuthumpudi](#)

GeeksForGeeks:// [vishnuthumpudi](#)

Hackerrank:// [vishnuthumpudi](#)

Google For Developers://

[vishnuthumpudi](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms

Object Oriented Programming in C++

Logic Building & Programming in C

Data Mining and Machine Learning

Deep learning and working with LLM

Fundamentals of D.B.M.S and SQL

Web Technologies with PHP

Python Programming

Big Data Analytics using Hadoop

Data Analysis using R

RESEARCH

DEVELOPMENT OF MACHINE LEARNING METHODS FOR ANALYZING MOLECULAR DYNAMICS DATA | RESEARCHER

Aug 2023 – Jun 2024 | Thanjavur, IN

Worked with **Dr.Ashok Palaniappan** and to create **Machine Learning Methods**, a automated programme that assists in the analysis of molecular dynamics data, displays identified outlier frames, and uses deep learning to forecast the molecule's adaptability.

PROJECTS

AI IMAGE GENERATION APP | | Github | Feb 2024

- Created and implemented a user-friendly interface that uses AI to create visuals based on the context of the user using **MERN**
- Incorporated **OpenAI API** to generate images, **MongoDB API** to store the generated image and **Cloudinary API** to backup the user data
- Generates image quicker by **10%** than Dall-E.

FINANCE-DASHBOARD-APP | | Github | Jan 2024

- Created and implemented a user-friendly interface that helps users to track and manage their financial data in real-time using **MERN**
- Incorporated **MongoDB API** to store and retrieve the users financial data and **Firebase** to send notifications and updates

LIPINSKI RULE OF 5 | Click Here | Github | August 2023

- Developed and deployed an web application leveraging the 'Lipinski Rule of 5' to predict molecular viability for drug development utilizing **HTML, CSS, Vanila JS**
- **90%** less time was spent by research scientists as a result of streamlined analytical and decision-making procedures in drug prediction.

POSTION OF RESPONSIBILITY

DAKSH,TECH FEST OF SASTRA | TEAM LEAD

Dec 2022 - Present | Thanjavur,IN

- 24 out of 900 applicants chosen to be a part of the team
- Successfully managed the group to plan and carry out technical events
- Instructing colleagues in hands-on learning and informing them about recently developed technologies and their future prospects in technology.

ACHEIVEMENTS

Feb 2024 Max Leetcode Rating : **1569** (TOP 27.32% In Contests)

Jan 2024 Received a T-shirt from GeeksForGeeks for consistently solving the daily challenge

Aug 2023 **1st/2050** in Faceprep Coding Challenge

Jun 2022 **5 Stars** badge in Python by Hackerrank

May 2022 **3 Stars** badge in Problem Solving by Hackerrank

CERTIFICATIONS

- **Microsoft Azure Fundamentals(AZ-900)** course by LinkedIn
- **Software Engineering at Goldman Sachs** a virtual experience program by Forage
- **Agile Methodology at Cognizant** a virtual experience program by Forage
- **AWS Certified Cloud Architect by Amazon** a virtual experience program by Forage
- **SQL - Intermediate Level** by CodeChef