**SAI KRISHNA MAHANKALI**

**saikrishna.mahankali98@gmail.com | +1 (804)-869-8851 |** [**LinkedIn**](http://www.linkedin.com/in/sai-krishna-mahankali-ba68201a0) **|** [**GitHub**](https://github.com/skmahankali)

**Education**

**Old Dominion University,** *Virginia, USA* *Aug 2021 - May 2023*

Master of Science in Computer Science

*Coursework: Algorithms and Data Structures, Web Programming, Data Science, HCI, Computer Networks*

**Vardhaman College of Engineering,** *Hyderabad, India* *Aug 2016 - July 2019*

Bachelor of Technology in Electronics and Communication Engineering

*Coursework: MATLAB, Embedded Systems, Data Communications, Database Management Systems, Java Programming*

**Professional Experience**

**Genesys Cloud Developer –** *TechZ IT Solutions;* Virginia, USA *January 2023 – May 2023*

* I design, develop, and implement Contact Center applications and migrate existing on-premises Contact Center applications.

**Graduate Teaching Assistant** -*Old Dominion University;* Virginia, USA*August 2021 - May 2023*

* I work as an instructor and grader for Data Analytics and Big Data. I take classes for students and prepare notes for the professor. I grade the assignments of all the students. I also work as an instructor and grader for a course called Introduction to Information Literacy and Research. This is an undergraduate course in Computer Science. This is based on how to write a proper research paper.

**Software Development Intern** -*ConnxAI;* New Jersey, United States of America*May 2022 - August 2022*

* + - * I have worked as a Software Development Summer Intern for 4 months for a company called ConnxAI. I have worked on a portal called CMDB portal. This is a Configuration Management Database Portal developed using Python Programming Language. It was developed on the Django framework. Other technologies used were HTML and CSS.

**Level-2 Networking Engineer** -*ConnxAI - Hyderabad, India**August 2019 - August 2021*

* I worked as a full-time level-2 Computer networking Engineer, and I have Hands-on experience with SDWAN technology.
* We Dealt with network troubleshooting in live commercial/retail stores. We also effectively collaborated with AT&T on-site team to resolve hardware/cable issues.

**Embedded Systems Industrial Trainee -** *Research Centre Imarat,* Hyderabad, India*May 2018 - July 2018*

* We worked on a device called Ring Laser Gyroscope in Embedded Systems. The device acts as a GPS and is used in missiles for navigating to the desired destination.

**Projects**

**Digital Library Search Engine,** Laravel in PHP**,** Master's Project *December 2022*

* This is a Web Development project. This is a web-based user interface (UI) for abstracts for electronic theses and dissertations (ETDs). I have used the Laravel framework and PHP (Hypertext Processor) programming language to develop my website. Users will be able to search for thesis papers by typing keywords in the search bar provided. The data set is indexed by Elastic Search. The website has implemented features such as user registration, log-in, reCAPTCHA, search functionality, spell-check, auto-complete, customized list, star rating, feedback, download, etc.

**CMDB Portal,** Django in Python, Internship Project*May 2022 - August 2022*

* This is a Configuration Management Database Portal developed using Python Programming Language. It was developed on the Django framework. Other technologies used were HTML and CSS. This portal was developed for a networking company called ConnxAI to manage all the configuration data of all their networking devices.

**Traffic Collision Analysis,** Python**,** Masters Project*April 2022*

* I have extracted a CSV file of all the traffic collisions in the state of Los Angeles from the Los Angeles official website. I analyzed the data first and then removed all the unnecessary columns from the CSV file. I have renamed all the columns according to my convenience and started exploring the data. The primary goal of the project was to analyze which cities in Los Angeles had the highest number of accidents.

**CPU Temperature,** Python**,** Masters Project*December 2021*

* The program takes the values of temperature readings from the input file provided by the user at the command prompt and generates global linear least-squares approximation and piece-wise linear interpolation for the provided input file. Python 3.8 had been used for the project.

**Grape Leaf disease detection using SVM Classifier, SVM Classifier in MATLAB,** Bachelor’s Major Project*April 2019*

* This project is intended to aid in the detection of disease in a grape leaf using the SVM classification technique. We extract features such as the shape, color, and texture of the leaf and use the segmentation method to identify the affected part of the leaf.

**Technical Skills**

Technical Skills: Python, Django, HTML, CSS, PHP, Laravel, JavaScript, AWS Cloud fundamentals, React JS,

Node JS, SD-WAN (Software Defined Wide Area Network)

Databases: PostgreSQL, MySQL, MongoDB, NoSQL.

Tools: GitHub, Linux, VS Code, MS Office, MATLAB.

**Interests and Hobbies**

* Cooking, dancing, hiking, Cricket, traveling, and fiction writing.