

# KONA SIVA NAGA MALLESWARA RAO

Chennai, Tamil Nadu - 600 062

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## Professional Summary

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Motivated and Aspiring professional with real time project experience in Data Science and Front-End Development. Skilled in data analysis, machine learning, and web development, with a strong foundation in creating data-driven solutions and user-friendly interfaces. Eager to contribute to the tech field as a Software Engineer or Data Scientist.

## Experience

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### Tonik India Financial Limited

May 2024 – July 2024

*Data Science Intern*

*Chennai, Tamil Nadu*

- Created interactive dashboards in Power BI to visualize and analyze large datasets, enhancing data-driven decision-making processes.
- Developed and optimized DBSQL queries, by effectively mapping large tables with primary keys and foreign keys to establish robust data relationships.
- Applied data science concepts to analyze a retail dataset, identifying default users through predictive modeling and statistical analysis.
- Implemented noise reduction techniques using a Wave-U-Net model, enhancing audio data quality and clarity through deep learning methodologies.

### AICTE, Edu Skills Foundation

September 2022 – November 2023

*AI - ML Virtual Intern*

*Remote*

- Completed AICTE's AI-ML virtual internship, gaining practical knowledge of artificial intelligence and machine learning concepts.
- Acquired hands-on experience in cloud computing on AWS, including EC2 for virtual computing, Redshift for data warehousing, and DynamoDB for NoSQL database management.
- Successfully completed coursework and assessments focusing on advanced AI techniques, deep learning frameworks, and cloud-based solutions for scalable computing.

## Projects

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### A2Z Dukaan App | *Html, Css, JavaScript, jQuery, MongoDB, Node.js*, VS Code

January 2024

- Led a team of 3 as the team leader and spearheaded the front-end development using HTML, CSS, JavaScript, and jQuery for a comprehensive e-commerce web application.
- Designed and implemented responsive front-end interfaces to enhance user experience across devices.

### AI Virtual Mouse | *Python, Android Studio*

September 2023

- Led a team in developing an AI-powered virtual mouse using OpenCV for hand gesture detection, MediaPipe for gesture recognition, and AutoPy for enabling mouse events.
- Implemented real-time hand gesture tracking and control from a PC's camera, enhancing user interaction with machine learning and computer vision techniques.
- Demonstrated proficiency in Python programming, computer vision, and machine learning to create a hands-free computer interaction system.

## Skills

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**Languages:** Python, Java, C, HTML, CSS, JavaScript, jQuery, SQL

**Developer Tools:** VS Code, PyCharm, AWS Cloud, Power BI, Jupyter Notebook, DB Schema

**Technologies/Frameworks:** Git, GitHub, Linux

**Core Concepts:** CN, DSA, DBMS, OS

**Soft Skills:** Excellent communication, Team leadership, Problem-solving, Time management

## Education

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### Vel Tech University, Chennai, Tamil Nadu

August 2021 – Present

*B.Tech Computer Science & Engineering*

*Percentage: 90%*

### Krishnaveni Junior College, Narasaraopet, Andhra Pradesh

July 2019 – May 2021

*Intermediate (MPC)*

*Percentage: 97%*

## Achievements

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- Clinched 1st place in Codeathon at college.
- Secured 3rd place in PI Pro College Contest.
- Awarded 6th Best Project Idea - Ideathon.
- Secured 3rd Prize in College Quiz Mania.