**Macharla S.V.V.S. Sainadh ** +91-7981081512

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Bachelor of Technology [](https://github.com/KVRPavanShanmukh) [GitHub Profile](https://github.com/KVRPavanShanmukh)

Koneru Lakshmaiah Educational Foundation [](https://www.linkedin.com/in/pavan-shanmukh-kakarla-aa3923335/) [LinkedIn Profile](https://www.linkedin.com/in/pavan-shanmukh-kakarla-aa3923335/)

**Skills**

**Languages:**: C, Java,Linux OS, Basic Web Development concepts like HTML,CSS,Java Script

**Frameworks**: ReactJs

**Cloud/Databases**: Relational Database(Postgres and mySql)

**Relevent Coursework**: Data Structures & Algorithms, Operating Systems, Advacned Object Oriented Programming, Database Management System .

# Experience

* **Google Cloud Cybersecurity Virtual Internship** *May - July 2025*

*AICTE-Eduskills* Online

* Gained hands-on experience in identifying and mitigating real-world cybersecurity threats using Google Cloud technologies.
* Completed scenario-based modules on threat detection, incident response, and risk management within cloud infrastructure.
* Gained exposure to **Cloud IAM, VPC security**, and **zero trust architecture** principles.

# EDucation

## Diploma in Computer Engineering

*Chirala Engineering College, Chirala, A.P, India* GPA: 9.31

## Bachelor of Technology in Computer Science and Engineering

*Koneru Lakshmaiah Educational Foundation,, Vaddeswaram, A.P, India* CGPA: 8.92

# Projects UNDertaken

## Web Based Online Examination System using AI Proctoring

*A website based Examination System that allows users to conduct and attempt exams for themselves, or their mentees.*

* A website that can communicate to end user for conducting Online Examinations for his skill check, A Database at the back-end stores the data of all the users who logged in and performing write operations on the site.
* Technology Used: Spring Boot, Reactjs, Bootstrap technologies.
* **Word Count using AVL Tree using Data Structures:** The AVL Tree Word Count Application is a software tool designed to efficiently analyze the contents of a text document and generate a count of unique words along with their frequencies.
* **Development of Low-Profile, Conformal Monopole Antennas for WBAN Applications (Research Paper)** Wireless Body Area Networks (WBANs) basically is a network containing sensor nodes that are attached to the human body, used to measure the bio signals like heart rate, blood pressure and is used in majority of applications in medical sector
* **Billing System through Java:** Creating an automatic billing system. Develop a GUI program such that it should contain different categories of items in the shop and each category should display a drop-down list of the items present such that on selecting a particular item the customer wants to purchase, it displays the item name, the discount on it and the final price of the item. Calculate the total bill,print it,then store in a file.

# Achievements

–Google Cloud Cybersecurity Virtual Internship *2025*

–TakeUForward: Completed about 50+ questions from Basics of C/Java, Math related ,Sorting

Techniques,Problems on Arrays in 3 Days.

–Official Design Patent on Low-Profile, Flexible, Conformal Antenna for WBAN Applications.

–CodeChef 100 Days and 121 Days Streak

Solved about 120+ problems in Codechef on rating range of 500-1000 difficulty and 1000+ difficulty.