

# Janavi S

Janavi.github.io

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## EDUCATION

### RMK ENGINEERING COLLEGE

BE IN COMPUTER SCIENCE

April 2024 | CGPA:9.5/10

### VELAMMAL VIDYALAYA

June 2020 | Percentage:92.6

### RAVINDHRA BHARATHI

May 2018| Percentage:88

## LINKS

Github:// [janavi-s05](#)Leetcode:// [janavi-s05](#)GeeksForGeeks:// [janavi-s](#)HackerRank:// [janavi-s](#)SkillRack:// [janavi-s](#)

## SKILLS

### PROGRAMMING

Languages

Java • Python • C • HTML • JavaScript

Tailwind CSS

Frameworks and Libraries

NodeJS • ExpressJS • React

Databases

MongoDB • MySQL • Firebase

Tools and Technologies

Git • Linux • Postman • GCP • Eclipse

Jupyter • REST API

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Operating Systems

Object Oriented Programming

Data Science

Google Cloud Platform

## PUBLICATION

### GESTURE GUARD:R-CNN FOR SIGN LANGUAGE

June 2024 | [Link](#)

A real-time system for sign-to-text and text-to-sign translation using **R-CNN** achieving **15% higher accuracy** than traditional CNN models in recognizing complex gestures. **Trained** on diverse datasets, resulting in **90%** sign detection accuracy and enhancing accessible communication.

## EXPERIENCE

### TEJAS NETWORKS | R&D PRODUCT ENGINEER

Jan 2024 - Present | Chennai, India

- **Optimized** automation **Frameworks** to reduce manual testing by **40%**, improving test coverage and accelerating product validation.
- Developed internal **APIs** to integrate testing tools, reducing test execution time by **51%** and improving testing efficiency by **48%**.
- Worked closely with **cross-functional** teams to debug and resolve issues, **reducing** the defect turnaround time by **25%**.

## PROJECTS

### FINLEDGER [\[LINK\]](#)

React | Firebase | JavaScript | CSS

- Created a comprehensive **Personal finance tracker** to streamline **balance, income, and expense** management.
- Optimized balance overviews, income and expense tracking, **Interactive charts**, and **Transaction lists** for seamless financial management.
- Improved financial organization and planning for users, boosting their ability to achieve financial goals by **35%**.

### CHRONICLEHUB

NodeJS | ExpressJS | TailwindCSS | MongoDB | React

- Built a tech blog platform where users can perform **CRUD** operations and mark posts as favorites.
- Secure **user authentication** was implemented using **Web Access Tokens (JWT)** to safeguard user data and sessions.
- Designed and implemented a **Responsive UI** with Tailwind CSS, ensuring a seamless experience across devices.

### PYTHON EVALUATOR (ONLINE CODING PLATFORM)

CSS | JavaScript | React | Django

- Developed a secure **Coding assessment** platform with **proctoring, plagiarism detection**, automatic scoring, and rank generation features.
- Enabled **CSV-based** student uploads, real-time coding environments, and comprehensive **test reports**.

## ACHIEVEMENTS

- |      |  |
|------|--|
| 2024 | Presented GestureGuard at 4th <b>IEEE CONIT</b> , 2024.      |
| 2023 | Secured 1st place in a <b>Mini project</b> (ConnectInfinity) |
| 2022 | 1st place in Sightless Snippets coding competition           |
| 2022 | Achieved <b>95/100</b> in automata <b>AMCAT</b> .            |
| 2022 | Attained 12/12 in codeKaze competition                       |
| 2021 | 3rd position in college <b>coding</b> battle                 |

## CERTIFICATIONS

Programming in Java with a score of **90%** in NPTEL

The joy of computing using Python with a score of 83% in NPTEL

**Contributed** to the development of **Wipro TalentNext**

HackerRank Problem Solving (Intermediate)

Google Cloud Essentials