

# TANISHA DAS

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## EDUCATION

### PES University

Dec 2021- Present

Bachelor of Technology in Computer Science and Engineering

GPA: 8.14/10. Coursework: Data Analytics using Python and R, Database Management systems(SQL), Big Data, Machine Intelligence

Awards: Distinction Scholarship

### National Public School

May 2019- May 2021

High School, GPA: 9.6/10

### Mother's Public School

Apr 2018- Mar 2021

Class: X, GPA: 9.8

## SKILLS

**Programming Languages-** Python(proficient), C(Intermediate), R(Intermediate), JavaScript(Beginner) Java(Beginner)

**ML /libraries/framework/tools-** Pandas, scikit-learn, numpy, open-cv, matplotlib, hadoop, spark, streamlit, figma, ros2(Beginner), webots, gazebo (Beginner), mediapipe

**Cloud/Web/Databases-** AWS, Docker, MongoDB, SQL, Microsoft PowerApps

## EXPERIENCE

### PES University

Bangalore, India

Teaching assistant

Mar 2024- present

- Curate competitive challenges, Problem solving exercises, assignments for students.

### PESU I/O

Bangalore, India

Deputy Manager

Mar 2023- Nov 2023

Operations Intern

Oct 2022- Mar 2023

- Took ownership of all core logistical tasks that streamlines the workflow of the organization.
- Accomplished this by solving complex problems with ingenuity and simplicity, also ensuring quality research in subject matters for the college.
- Dived deep into the core functioning of projects, programs, and subsidiaries that impact thousands of students.

## PROJECTS

### Relay PRO (03/2024)

React.js, node.js, mongoDB, APIs, Flask, Data Visualisation tools

- A web platform designed to offers a suite of tools and resources designed to enhance public speaking skills.
- core components include: Speech Analysis Engine, Training Modules, Discussion forum, Stage speaking LLM.

### Cipher (04/2024)

Java, Vaadin

- Encryption and Decryption- Caesar Cipher
- Hash- SHA256
- Morse Encoder and Decoder

### SignSpeak (11/2023)

Streamlit, Python, mediapipe, mysql

- A web platform designed to offer interactive sign language tutorials.
- featuring real-time feedback and corrections

### Insightful Analytics- data visualisation, analysis, classifier models(10/23)

Python, R, ML models

### AutoLedger (07/2023)

Python, Blockchain concepts

- Sends a message between vehicles: The user can select a sender vehicle, recipient vehicle, and enter a message. The message is added to a block and mined.
- Print the V2V communication blockchain: The program displays the status of the blockchain, including validity and the details of each block.

### SpeedSense (04/2023)

Arduino

- Arduino was connected to 2 Infrared sensors(at a distance of 20 cm) that noted t1 and t2, when a vehicle passes t1 and goes to t2, the sensors note down the timings, and as the distance is constant, it displays the speed on the monitor.

### Piano box (08/2022)

C, GTK

- displays a virtual piano of an octave play
- make your own tunes and save it

### DocuWizard(02/2022)

Python, Tkinter

- Generates Documents and converts them to pdfs
- Generates custom certificates