T A N I S H A   D A S

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E D U C A T I O N

PES University   *Dec 2021- Present*
Bachelor of Technology in Computer Science and Engineering
GPA: 8.13/10. 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

S K I L L S

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

E X P E R I E N C E

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.

P R O J E C T S

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