RUTIKA MASANE

Student at Vishwakarma Institute of Technology (VIT), Pune

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EDUCATION

B.Tech in Computer Science
Vishwakarma Institute of Technology, Pune

📅 2020-2024   📍 Pune, Maharashtra, India

- CGPA : 8.5/10 (6th Semester)

XII Board & X Board

📅 2020   📍 Akola, Maharashtra, India

- HSC Percentage : 87.54 %
- SSC Percentage : 93.80 %

PROJECTS

Signify - Sign Language to text Conversion link
Tech Stack : MediaPipe, LSTM networks, OpenCV, Tensorflow, Jupyter Notebook

- Developed a model for Sign language Detection using Action Recognition for 3 words (thanks, hello, You're welcome).
- Collected key-points from **media-pipe holistic**. Dataset is self created. Train a deep neural network with **LSTM** layers for sequences with accuracy of **89%**.
- Perform real time sign language detection using **OpenCV**.

Path Finding Algorithm Link
Python, A* Algorithm

- Allow users to define and customize graphs or grids, enabling the algorithm to work on various types of maps, mazes, or networks.
- Include a visualization component to help users understand the algorithm's progress and the path it selects.

SKILLS

- **Technical Skills :** C, C++, SQL, Python, HTML, CSS, Javascript, Bootstrap, Node.js, Express.js, React.
- **Domain Knowledge :** OOPs (Java), DBMS, OS, Data Structure, Problem-Solving, Linux, Agile Development, Cloud Computing(AWS), Computer Networks.
- **Professional Skills :** Team Leadership, Team Work, Self Motivation, Time management, Collaboration, Presentation skills, Communication.

CERTIFICATION

- Fundamentals of Linux and Data Analytics. *link*

ACHIEVEMENTS

- **Best Paper Award** for paper Presented of title **'Sign Language to text Conversion '** in 3rd International Conference ICASEM-2022 Hyderabad, Telangana, India. **link**
- Solved **400+ DSA** problems on coding platforms.
- Programming: **5 star in CPP** and **3 star in Problem solving** at Hackerrank.
- Selected for **Round 2** in IICC - Innovate India Coding Championship securing **Rank 11253** among **89182+** students

EXPERIENCE

Content and Social Media Coordinator
VIT Social Welfare & Development

📅 Sept 2021 – July 2022

- **Content** : I wrote news on **Atamabodh** (Digital Literacy Program) big flagship event in SW&D. That news was **published** in **Tarun Bharat and 6+ newspapers** platforms. **link**
- **Volunteer**-Atamabodh   **link**
- **Social Media**: To expand the reach of club through various campaigns on Twitter, Instagram, and Linkedin.

Design Coordinator
Pi Editorial Board, VIT Pune

📅 Oct 2021 - Oct 2022

- Worked on Setting up the **Designs** for college Magazines, Weekend Activities and Festivals.

Executive Committee Member
IEEE Student Branch VIT Pune

📅 Feb 2022 - Feb 2023

- Worked as a part of IEEE Executive Committee to engage in various college level technical activities.

CODING PROFILES

- Leetcode :   **Rutu_2001**
- GFG :   **codingnerd**
- Hackerrank :   **Rutika_232001**
- Codeforces :   **rutika1823**