Shambhavi Lalsinge

Personal Information

- Full name - Shambhavi Girish Lalsinge
- Date of birth - 8th Sept 2002
- Official Email - shambhavi.lalsinge20@vit.edu / shambhavilalsinge@gmail.com
- LinkedIn profile - https://www.linkedin.com/in/shambhavi-lalsinge-478201213
- Phone no - 9689903088
- Qualities - Passionate, Enthusiast, Experimental
- Languages known - English, Hindi, Marathi.

Education

Degree/Grade	Institution	Score
B.Tech - Instrumentation and Control	VIT-Pune	FY – 9.28 CGPA SY – 8.61 CGPA TY – 8.46 CGPA
HSC	Maharashtra State Board	69% (2020)
SSC	Maharashtra State Board	92.20% (2018)

Technical Skills

- 1.Programming skills- C, Python, Java, Html, CSS, MySql, Git, Github , familiar with Android Studio and C++
- 2.Core skills – Arduino, Control loops, Communication Protocols, PLC.

Soft Skills

- 1.Well versed with all the latest technologies and software.
- 2. Adept at using Microsoft Office suite.
- 3.Management skills - Conceptual ability, Team builder, Presentation skill.

Projects

- Real time Traffic Signs Recognition using Deep Learning: In this project real time Traffic Sign recognition was accomplished using CNN. The proposed model is using Lenet5 architecture with few modifications in the algorithm and OpenCv python library for real-time video capturing.
- Autonomous Car using Arduino: Propose a model of a self-driving car which is analogous to an actual self-driving car, but is a simpler and value effective version. It uses Arduino and Ultrasonic sensor and motors to detect object while car is in motion and change the route.
- Liver Tumour Segmentation: In this project we have segmented the CT images to detect a Tumour with the help of CNN techniques where we have used ResUNet model for segmentation.
- Realtime Image Description Generator along with Intelligent Assistance for people with visual challenges– In this project we have built a smart, cheap and user friendly assistance system for the improvement of life of both visually impaired and blind people. We had designed the system such as a particular image gets captured with the help of camera then it goes through DL algorithms we have used MobileNetV3 here. It gives an certain caption of the captured image and then finally it gets converted into voice and the user is assisted through a headset.
- Web3 based NFT game – The objective was to build a fast, low-cost, solidity compatible decentralized app and launch customized blockchain networks to enable access worldwide , without a third-party interference. It was a MERN stack application which was connected to blockchain and was paired with our wallet. We implemented solidity programming language and wrote smart contracts in solidity work.

Experience

- 1.Worked as Publicity Outreach Co-Ordinator in Organizing Committee of College.
- 2.Worked as Multimedia Head in Google Developer Student Club (GDSC).
- 3.Worked as an intern designer and website manager at a Designing/Advertising firm called Leifii.co

Certifications

- 1.Programming with Python by Udemy.

- ➢ 2.Data Structures and Algorithms in Java for Intermediate Level course
- ➢ 3.Data Science and Machine learning Bootcamp with R by Udemy.
- ➢ 4.Full Stack Web Development Bootcamp by Udemy.
- ➢ 5.Introduction to DevOps by Great Learning.
- ➢ 6.The Business, Innovation and Entrepreneur Masterclass by Udemy.

Publications

- ➢ "Real time Traffic Signs Recognition using Deep Learning" International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 01 | Jan 2022.
- ➢ " Autonomous Car using Arduino" International Research Journal of Engineering and   Technology (IRJET), Volume: 09 Issue: 01 | Jan 2022.
- ➢ " Prediction and Classification of Weather Using Machine Learning" International Journal For Research in Applied Science and Engineering Technology (IJRASET),Volume:10 Issue: XII | Dec 2022.