Sai Meghana Vemula

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⌂ Objective

To secure a challenging position as a Software Engineer, utilizing my strong analytical, logical, problem-solving skills, and passion for coding to contribute effectively to diverse projects.

🎓 Education

B.Tech / Electronics and communication Engineering,   2019 – 2023
JNTUH University College of Engineering Sultanpur
- CGPA - 7.75

Intermediate / MPC, *S.R Junior College for Girls*   2019
- Percentage - 96.2

SSC, *Sri Chaitanya E-techno Schools*   2017
- GPA - 10.0

🧠 Skills

- Proficient in coding languages such as Html, CSS, JavaScript, React, NodeJS

- Strong analytical and problem-solving skills

- Excellent communication and interpersonal abilities

- Ability to work independently and in a team

- Github

- Optimistic

🗁 Projects

Pulse oximeter using NodeMCU
- Designed and implemented a Pulse Oximeter using NodeMCU and enabling real time monitoring of patient using an application.
- This also helps to monitor the patient from anywhere in the world by sending emergency messages.
- In this way it also helps in reducing contact with patient and this gadget is less expensive compared to pulse oximeters available in market.

Blood vessel segmentation from retinal images using MATLAB

- MATLAB software is used for blood vessel segmentation from retinal images. Using MATLAB for segmentation is simple as it uses the built-in functions making the work more accessible, and the code does not seem bulky.
- ISODATA algorithm is used to segment blood vessel from retinal image. The method proposed by us is highly accurate and less complex when compared with existing method.
- The morphology of blood vessels in retinal fundus images is an important indicator of diseases.

Achievements

Winner of Table Tennis College Championship

Certificate from Hacker Rank in CSS ⬈

Languages

- English
- Telugu
- Hindi

Extracurricular Activities

- Drawing and Painting
- Coding
- Indoor Games
- Music