


BUSIREDDY SNEHA

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EDUCATION

YEAR	DEGREE/EXAM	BOARD/ INSTITUTE	CGPA/MARKS
2020	B. Tech in ECE	JNTU Hyderabad (Sri Indu College of Engg and Tech)	9.1/10
2016	Intermediate in MPC	Telangana Board (Prathibha Junior College)	98%
2014	High School	Andrapradesh Board (Lumbini High School)	95%

SKILLS AND EXPERTISE

- **Programming Languages** : Basics of C, JAVA , MATLAB , Verilog
- **Tools used** : Turbo -C, Xilinx ISE, Keil microvision (familiar)
- **Operating Systems worked on** : WINDOWS 7, XP

TRAININGS AND CERTIFICATIONS

- Certified in basics of C and JAVA languages.
- Attended workshop on Robotics

PROJECTS

- **Real time solar tracking system** : Most of the solar panels have been installed all over the world are stable. These panels will grab maximum energy only once in a day i. e, only when sun intensities directly fall on the panel, remaining cases it will grab less energy. So, in order to overcome we are using movable panels which will grab maximum energy throughout the day based on sun intensities in all directions.
- **Design a DSP operations using Vedic Mathematics** : Designing of DSP operations become complex as the number increases and efficiency decreases and takes more time to get output so, to avoid this we are performing operations using Nikhilam sutra and Urdhva - Tiryagbhyam.
- **e- Healthcare management system** : It involves an administration module (which is concerned with medicare management includes health care departments, doctors, nurses, etc.) and a client module (related to patients information). It establishes a proper communication between doctors and patients. It will overcome the drawbacks and challenges of the existing healthcare management system and also quickens the process of conveyance of healthcare services.

AWARDS AND ACHIEVEMENTS

- Achieved several accolades on behalf of co-curricular and extra-curricular activities during high school.
- Participated in various Mathematical and Science talent test during high school.
- Certified in National Level Science Talent Examination for consecutive 3 years.
- Awarded for being top in the academy of 2017 to 2019.
- Active in Curiosity Summit conducted by S - hub held in the college.
- First class Honours graduate in B. Tech in Electronics and Communication Engineering.
- Received appreciation certificate for giving funds to Indian Red Cross Society.

RESEARCH AREAS

NIGHT VISION TECHNOLOGY : In the Dark environment, it is highly impossible for human eye to see things clearly so, in order to overcome Night Vision Technology came into existence. This will captures the available light using electro magnetic radiation that is outside the range of human eye, using this invisible light enables night googles, binoculars and scopes the ability to see in dark. Main purpose of the invention is for **Military Purpose**, where solidiers allows to see, maneuver and engage in combat.