

AKASH RANJAN DAS

Computer Science and Engineering
Siddaganga Institute of Technology, Tumkur

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ACADEMIC DETAILS

YEAR	DEGREE	INSTITUTE	CGPA/GRADE
2018-2022 (Expeted)	B.Tech in Computer Science and Engineering	Siddaganga Institute of Technology, Tumkur	8.89/10
2017	Class XII, ISC	Rajendra Vidyalaya, Jamshedpur	85
2015	Class X, ICSE	Rajendra Vidyalaya, Jamshedpur	89

RELEVANT COURSES

- **Computer Science**
Programming in C and C++, Data Structures and Algorithms, Discrete Mathematical Structures, Analog and Digital Circuits, Computer Organization and System Architecture, Operating System, Theory of Computations, Analysis and Design of Algorithms,
- **Mathematics and Electrical Engineering**
Calculus, Basic Electrical Engineering, Probality and Stochastic Processes and Linear Algebra.

PROJECTS

NMEA (GPS) Parser

- The problem statement was to create a NMEA decoder library which can parse any valid GPS data and decode it to find the location characteristics.
- Implemented three C files. The first file(.c) consists of all the functions which will parse the GPS data and do operarions on the same. The second file(.h) consists of all the the function prototypes of the functions used in the first file. The third or the main file(.c) is used to do input and output operations. The first file is made a static library and is being linked with the main file.
- Finally, the NMEA decoder is able to parse any GPS data the user gives as input.

Snake Game using GUI

- The problem statement was to create a energy based snake game using JAVA using threading concept and JAVA Swing.
- Each thread is represented as food for the snake containing some energy.
- There is a minimum amount that the snake will be able withstand.

Mars Rover Project(Undergoing)

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TECHNICAL SKILLS

- **Programming Languages: C, C++, JAVA, MySQL, Python, UNIX Shell Programming,HTML, CSS, JavaScript, Php.**
- **Paper Presentation Skills.**

EXTRA CURRICULAR ACTIVITIES

- Founder of Technical Group 'Dynamics (Project Oriented Community)' under the supervision of Dr. N R Sunitha
- Led Paper Presentation on Artificial Neural Networks at ROBOCOR'20 organized by Club of Robotics SIT (CORSIT).
- Participated in UI/UX workshop at PHASE SHIFT 2019 by BMSCE, Bangalore.