JOGU BHANUTEJA | 20AE10018
AEROSPACE ENGINEERING(B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH	IIT Kharagpur	8.18 / 10
2020	Intermediate Public Examination	Nararyana Junior College, Hyderabad	97.9%
2018	Secondary School Certificate Examination	Vasavi High School, Nirmal	10 / 10

PROJECTS

Tic-Tac-toe Game :   [Jul 2022]
• Developed a multiplayer tic-tac-toe game website using **HTML**, **CSS**, **JavaScript.** Website is hosted on Github
(Link: https://bhanuteja-jogu.github.io/Tic-tac-toe/)
• The game consists nine boxes where the players can play, each will be marked as player clicks on them
• At each turn, the program will check for any three same marks in a row or column or diagonal. The game ends if it exists and that player will be declared winner

Restaurant Review Website :   [Dec 2022]
• Built the backend of the web application using **Node.Js** and **Express.Js** framework
• Used **MongoDB Atlas** as cloud database. The front-end of the webpage is built using **React.js**
• We can choose to view, create, modify and delete the ratings of the different restaurants

RC Car: [Jun 2021]
• It is a team project. We built an RC car that can be controlled by any mobile device and from any location. The car needs to be connected to internet through wifi
• Control components for the car include Arduino Microcontroller, ESP8266 Wifi Module, etc. I worked on **Programming** and **Assembly** of the car. I wrote a program for Arduino that contains instructions to control the car and to connect to the controller. I also connected circuits and assembled the car

A* ALGORITHM FOR PATH PLANNING :   [Sep 2021- Nov 2021]
(Course Project Under the guidance of Prof Partha P. Chakrabarti, Dept of Computer Science and Engineering)
• Used A* Algorithm to find the best path for given initial position, final position, pre-defined for unknown and dynamic obstacles.
• Developed user interface using PyGame to provide necessary input and visualize the optimum output.

(Github Handle: **Bhanuteja-Jogu**)

SKILLS AND EXPERTISE

• **Programming Languages:** C | C++ | Java | Python
• **Web Technologies:** HTML | CSS | JavaScript | Node.js | Express.js | React.js | MongoDB | Firebase Database
• **Libraries and Tools:** C++ STL | NumPy | Pandas | Matplotlib | Git
• **Operating Systems:** Windows | Linux(Ubuntu, Kali Linux)

COURSEWORK INFORMATION

• Algorithms-1 (T) | Machine Learning Foundations and Applications (T/L) | Programming and Data Structures (T/L)
• Linear Algebra | Advanced Calculus | Transform Calculus | Numerical Solutions of Partial Differential Equations
(Note: T - Theory | L - Laboratory)

COMPETITION/CONFERENCE

Part of Azad Hall Team in InterHall Data Analytics Competition: [Mar 2022]
• Visualised, analysed the data using python, pandas, matplotlib and extracted useful insights from it
• Used the Time Series Forecasting methods like AR, MA, ARMA, ARIMA to build a data model

Competitive Programming:
• Secured **Global rank - 157**: In Codechef Feb Long Challenge Two out of nearly 14,000 contestants **[Feb 2022]**
• Secured **Global rank - 26**: In Codechef April Long Challenge Two out of nearly 4,000 contestants   **[Apr 2022]**

(Codechef handle: **bhanuteja_08**)

EXTRA CURRICULAR ACTIVITIES

• Participated as a NSS volunteer at IIT Kharagpur and worked on improving the conditions there

• Part of volleyball team of Azad Hall at Inter-Hall Volleyball, 2022