RAKESH BODAVULA

📞 +91 6301065535 ✉ rakeshbodavula2002@gmail.com 💼 rakeshbodavula ⌂ rakeshbodavula

EDUCATION

Bachelor of Technology (Indian Institute of Information Technology, Sricity)   August,2020 - May,2024

- Computer Science Engineering (CGPA : 9.5)
- Courses: Data Structures and Algorithms, Full Stack Development, Computer Architecture, Database Management, Computer Networks, Algorithm Analysis, Object Oriented Programming, Operating Systems, Artificial Intelligence, Machine Learning.

TECHNICAL SKILLS

Languages: Python, Javascript, SQL, Java, C++, C.
Databases: MongoDB, MYSQL.
Frameworks: ReactJS, Express.js, Node.js, jQuery, Bootstrap.
Tools: Tensorflow, keras, Numpy, Pandas, Scikit-Learn, Git, Docker, Postman, VScode.

PROJECTS

Farmers Web Portal ⬈ *(ReactJS v18, NodeJS v16, MongoDB and ExpressJS.)*

- Developed a dynamic and responsive web page featuring a user-friendly interface, aimed at effectively educating a diverse community of farmers on the distinct characteristics of more than 20 crops, while offering comprehensive guidance throughout the agricultural calendar.
- Formulated and launched a sophisticated platform featuring 4 key functionalities: Crop Suggestion, Discussions page, Market Place, and Chat Bot.
- Collaborated with a team of 5 members and successfully deployed the docker image on Microsoft Azure.

Sunshot Solar NowCasting ⬈ *(Python, Machine Learning, Deep Learning)*

- Developed both Machine Learning and Deep Learning models that predicts the solar Photo Voltaic output based on Ground-Based Sky Images.
- Optimised the models and got an mse value of 2.3 on average and a best mse value of 2.1
- Successfully trained and assessed 4 models, obtaining a significant Mean Squared Error (MSE) spanning the range of approximately 2.1 to 4.01, while achieving an R-squared (R2) score of 0.91 .

Military Management App ⬈ *(Java, MYSQL.)*

- Constructed a command line application to store details of 1000's of Soldiers with less data redundancy.
- Coordinated with a team of 4 members and took the responsibility of guiding the team.
- Strengthened the workflow of the application using the 4 main pillars of the Object Oriented Programming (OOP) concepts thoroughly in an effective way.

Blog Maintainer ⬈ *(ReactJS, Bootstrap5, CSS3, JSON-SERVER.)*

- Created a project that helps people write and read blogs on all kind of topics that helps to share knowledge, learn new things and perspectives and hence improve skills.
- Devised a user-friendly UI that is easy to navigate and comprehensible for users who are new to system.
- Implemented and shaped a streamlined UI, optimizing state flow and employing only 6 key components.

EXTRA-CURRICULAR ACTIVITIES

- Full filled the role of an Anchor in the Institute Events having an audience of around 900.
- IIITS volleyball player (Left Wing Spiker).