

VARSHINI VATNALA

SKILLS

Programming skills: HTML, MySQL, Cloud Computing, Machine Learning, Data Mining, Object-Oriented Programming, Data Structures, Design and Analysis of Algorithm, Java, C, C++

Soft Skills: Teamwork, Flexibility, Confidence, Problem Solving, Self Management

EDUCATION

- Masters in Engineering Science and Data Science(ESDS)| 2025
State University of NewYork at Buffalo
(R Programming, Matlab, Python Programming)
- BTech in CSE
G.Narayanamma Institute of Technology and Science | 8.83 CGPA| 2024
(Data Structures, Design and Analysis of Algorithms,DBMS, Operating Systems, Object Oriented programming, Computer Networks, Machine language)
- TSBIE(Math,Physics,Chemistry)
Narayana Junior college | 96.6% | 2020
- BSET
Narayana E-Techno School | 9.7 | 2018

PROJECTS

MULTI-CROP DISEASE PREDICTION

- The development of an advanced agricultural solution,employing machine learning for the prediction of diseases across multiple crops.
- Leveraging machine learning algorithms,the system can accurately identify and predict potential diseases affecting crops,enabling early intervention for farmers.
- The implementation included data preprocessing,feature extraction, and the deployment of a user-friendly interface.

PRECISION FARMING USING IOT

- An innovative system is designed to optimize agricultural practices by providing real-time data on soil moisture, temperature, and crop health.
- Employing a network of IoT sensors strategically placed across the fields, the system collects and transmits vital data to a centralized hub.
- Using ThingSpeak as the core software platform,seamlessly processed and visualized the data, enabling farmers to make informed decisions regarding irrigation, fertilization, and crop management.

CAB BOOKING SYSTEM

- Developed a comprehensive Cab Booking System, mirroring the functionalities of popular ride-sharing platforms like Uber.
- Users can effortlessly book a range of transportation options, such as cabs, bikes, and autos, through this dynamic system.
- Utilized technologies such as React for the frontend, Node.js for the backend, and MongoDB for database management. The implementation also involved integrating geolocation APIs for accurate mapping and user tracking.

INTERESTS

Traveling, Sports, Photography, Club Memberships, Volunteer Work, Hackathons