

Gayathri Prathipati

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Education

Bachelor of Technologies in Computer Science
Jawaharlal Nehru Technological University, Anantapur.

CGPA:7.81
August 2019 – May 2023

Skills

- Proficiency in programming languages and software development tools such as Python, Java, C.
- Solid understanding of data structures, algorithms and OOPS concepts.
- Good academic background in software engineering principles, and Software Development as a Computer Science Student.
- Experience with Web Development & Technologies such as HTML, CSS, JavaScript, Django, Reactjs and Databases like MySQL.
- Solid knowledge on front-end and Back-end Technologies.
- Can be able to adapt to new technologies quickly.

Projects

Agriculture Helper Chatbot *[Python, Deep Learning, Speech Recognition Algorithm]*

- Managed a team of 5 to develop an AI-powered agriculture helper specifically tailored for Indian farmers, overseeing the project from conception to implementation.
- Utilized Deep Learning techniques to achieve a 95% accuracy rate in diagnosing crop diseases from images.
- Provided effective remedies for diagnosed crop diseases, resulting in a 15% decrease in disease spread and an improvement in overall crop health.
- Analyzed and presented comprehensive insights on crop performance, soil quality indicators, and meteorological forecasts, leading to a 25% boost in overall yield and a 30% decrease in irrigation costs.
- Engineered an intuitive interface with simplified navigation, resulting in a 40% increase in user engagement and a 25% decrease in bounce rate within the first month of implementation.
- Ensured high accuracy in disease diagnosis and information provision to enhance productivity and crop yield for farmers.
- Implemented a speech recognition algorithm to enable farmers to interact with the chatbot through voice commands, improving accessibility and usability for users with limited literacy skills.

Covid 19 Responsive Webpage *[HTML, CSS, JavaScript, Bootstrap]*

- Led a team of 4 to create a responsive webpage delivering real-time updates on current events and developments related to public health.
- Empowered users with comprehensive safety guidelines to help individuals and communities protect themselves from health risks, resulting in a 50% increase in adherence to safety protocols among surveyed users.

- Curated a range of resources to empower users with knowledge and tools to stay informed and protected, resulting in 95% positive feedback from users on the usefulness of the resources.
- Implemented user-friendly features, including interactive maps and search functionalities, to enhance the user experience and increase engagement by 60%.
- Utilized analytics tools to track user behavior and optimize content delivery, leading to a 40% increase in returning visitors and prolonged engagement on the platform.

Certifications

- Java(basic) Test by HackerRank
- Python Programming by Udemy
- Data Science by Udemy

ExtracurricularActivities

- Head of Quiz club at PBR VITS , Conducted Quizzes during Fests and Technical Weekend Events in the college
- Participated and awarded with certifications in Hackathons by Flipkart, Codegoda.
- Attended a certified workshop on Reactjs and Bootstrap at PBR VITS, Kavali.

Languages

- English – Professional Proficiency
- Telugu – Native Proficiency