AKHILA MORA

morakhila99@gmail.com | https://www.linkedin.com/in/mora-akhila/ | 405-845-0512 | Grand Prairie, TX

PROFESSIONAL WORK EXPERIENCE

Graduate Teaching Assistant| University of Oklahoma Norman, OK | Aug 2023-May 2024

- Conducted lab sessions and tutorials to instruct undergraduates in Java programming.
- Offered guidance to students in understanding programming concepts and troubleshooting coding issues.
- Served as the lab supervisor, overseeing operations to maintain a conductive learning environment for students.

Graduate Research Assistant| University of Oklahoma Norman, OK | Nov 2022-Jul 2023

- Directed the collection and analysis of breath samples using cutting-edge technology operated by Breathonix, contributing to ongoing research on non-invasive diagnostic methods.
- Analyzed breath sample data using statistical software such as Python, achieving approximately 85% accuracy in extracting meaningful insights and patterns to inform further research directions and contribute to scientific publications.
- Designing an intuitive website for the project, enabling participants to easily input their information and receive predictions as output based on breath sample data analysis, thereby reducing the time for predicting output by 70%.
- Collaborated with a diverse team to optimize breath sampling, ensuring data accuracy, while also contributing to protocol development for participant recruitment and sample collection.

Project Engineer | Wipro Technologies Private Limited Hyderabad, India | Dec 2020-Jul 2022

- Led frontend development efforts for client projects, collaborating closely with cross-functional teams to translate design concepts into responsive and user-friendly web applications, resulting in enhanced user experiences and increased client satisfaction.
- Played a key role in requirements gathering and analysis phases, working closely with stakeholders to understand project objectives and user needs, and providing valuable insights to inform frontend design decisions and development strategies.
- Collaborated with backend developers to integrate frontend interfaces with backend APIs and services, ensuring seamless data flow and functionality across the application stack, and promoting cross-functional teamwork and communication.
- Demonstrated skills in troubleshooting frontend issues and debugging complex scenarios, employing analytical reasoning to identify root causes and implement effective solutions.
- Developed responsive web pages using HTML, CSS, JavaScript, and React JS, leading troubleshooting efforts and updating sites throughout the production lifecycle.

Web Developer | LBRCE Mylavaram, INDIA |May 2019-Sep 2019 (Interim)

- Contributed to the development of an alumni website for LBRCE, collaborating with a team of 4 developers to deliver a feature-rich platform for alumni engagement and networking.
- Implemented frontend features and functionality using HTML, CSS, and JavaScript, ensuring a responsive and visually appealing design that caters to diverse users.
- Demonstrated willingness to learn new technologies and frameworks during the short tenure, contributing effectively to the successful delivery of the alumni website project.

EDUCATION

University of Oklahoma, Norman, OK May 2024
Master of Science in Computer Science GPA: 3.89/4.00

TECHNICAL SKILLS

- Programming Languages: Java | Python | Javascript | C | C++
- Web Technologies: HTML5 | CSS3 | Javascript | jQuery | JSON | AJAX | React JS | XML | Bootstrap
- Database: MySQL | MongoDB | Oracle | SQLite | PostgreSQL
- Version control: Github | GitLab
- Cloud: Google cloud platform | AWS | Azure
- Methodologies: Agile | Waterfall | Scrum

RESEARCH

Published paper on "Detecting Fake News Using NLP and Machine Learning Classification Algorithms" in the Journal of Advanced Research in Dynamical and Control Systems, Vol 12, Issue-02, 2020.

ACADEMIC PROJECTS

Robofriends Website | React JS | https://moraakhila.github.io/robofriends/ Mar 2024

- Utilized React JS to develop a responsive website, “RoboFriends”, enabling users to effortlessly search for and discover their preferred robots via an intuitive search interface.
- Implemented multiple components, including interactive cards and a dynamic search box, to enhance user experience and facilitate seamless navigation throughout the site.