

RAGHURAM SADINENI

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EDUCATION

Louisiana State University

Masters in Computer Science

Baton Rouge, LA
JAN. 2022 – Present (DEC. 2023)

Koneru Lakshmaiah Education Foundation

Bachelor of Technology in Computer Science Engineering

Vijayawada, India
Aug. 2016 – May 2020

EXPERIENCE

Graduate Research Assistant

LSU Department of Physics and Astronomy

Jan. 2022 – Present

Baton Rouge, LA

- Designed and developed new features for "BRBytes", a comprehensive course management platform for high school students in Baton Rouge.
- Created a file submission service to allow students to submit daily assignments efficiently.
- Built an autograder system to automate grading process for hundreds of exercises and activities in "BRBytes".
- Developed reusable HTML templates for quick construction of new web pages for lessons and activities.

Full Stack Engineer

QueryNow

Jun. 2019 – Dec. 2021

Hyderabad, India

- Developed an Enterprise E-Commerce application that revolutionized customer shopping experience by incorporating visual search features using Vision API and Dynamics 365 Commerce.
- Created a Single Page Application for restaurants to efficiently monitor customer data during COVID-19.
- Built a cross-platform app using Machine Learning to predict infant weight in the first 18 months.
- Contributed to the design and development of projects for clients in the pharmacy, travel, and steel industries.
- Implemented User Authentication, Enterprise Search module, and News Recommendation System in the enterprise digital workspace product Exalt. Performed migration of Exalt's front-end code from Angular 7 to Angular 12.

Intern

Technovert

May. 2019 – Jun. 2019

Hyderabad, India

- Developed a user-friendly Single Page Application (SPA) for secure storage and management of users' personal information, with a clean and simple interface for easy navigation and access to information.
- Built back-end functionality and managed database integration using .NET Core web API and Petapoco ORM.

Intern

CloudChip

May. 2018 – Jun. 2018

Hyderabad, India

- Built a Machine Learning model using Neural Network to help drivers take regular breaks during long drives by determining their position through accelerometer data.
- Gained proficiency in Machine Learning Algorithms including KNN, Decision Trees, SVM, and Neural Networks.

PROJECTS

Distributed Health Care Management System | *OpenMRS, OpenERP, OpenELIS, JavaScript, MongoDB*

June 2019

Successfully deployed the Bhamni open-source healthcare management system in a public hospital, optimizing operations through implementation of face recognition technology for efficient patient record retrieval in OpenMRS.

Text-Book-Recommendor | *Python, Selenium, BeautifulSoup, tkinter*

June 2019

Implemented an expert system to identify textbook names for a given topic by using automated software to search the internet and gather relevant information, which is then presented in a desktop application.

Classification Algorithms | *Python, tensorflow, numpy, pandas, sklearn, matplotlib*

September 2018

Implemented various machine learning algorithms including KNN, Decision Tree, Random Forests, SVM, and ANN on Iris and Breast-Cancer-Wisconsin datasets, demonstrating proficiency in machine learning techniques and data analysis.

TECHNICAL SKILLS

Languages: Python, Typescript/Javascript, C#, C/C++, SQL, HTML/CSS, Java, Dhall.

Frameworks: Svelte, SvelteKit, Next.js, Ionic, React.js, Angular, Alpine.js, React Native, .net Core, Node, Express, Flask, FastAPI, Node.js, SpFx, PostgREST, Office UI Fabric, Scss, Tailwind CSS, Bootstrap, Material UI.

Developer Tools: Git, Selenium, Weka, Cypress, Vite, Auth0, MySQL/PostgreSQL/SQLite, Firebase, Microsoft Power Apps, Microsoft Power Automate, Azure.