

Sriabhinay Kusuma

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Education

University of Alabama

Master's in **Computer Science** – 4.0/4.0 CGPA

SR Engineering College

Bachelor's in **Computer Science** – 3.3/4.0 CGPA

Huntsville, AL

Expected: **May 2024**

Warangal, India

Aug 2018 – May 2022

Technical Skills

Languages: HTML/CSS, C, Python, SQL, Java, JavaScript; **Databases:** MySQL, MongoDB

Technologies/Frameworks: React, Next.js, Node.js, Redux, Tailwind CSS, MERN, jQuery, REST API

Cloud: AWS (EC2, RDS, Lambda); **Others:** Git/GitHub, CNN, Transfer Learning, Postman, Docker

Skills: Data Structures and Algorithms, Database Management, Operating Systems, Client Server Architecture.

Experience

Graduate Teaching Assistant

Jan 2023 – Dec 2023

University of Alabama

Huntsville, AL

- **CS454/554 Cloud Computing course** - Lab Setup and Support: Utilized Proxmox to create and manage virtual machines, providing a platform for student teams to experiment with cloud computing concepts.
- Responsible for creating and administering OpenStack accounts for student teams.
- Instructed students in using OpenStack's CLI, VM creation, authentication, aiding cloud-based software management skills.
- **CS104 Python course** - Student Assistance and Grading: Conducted in-person lab hours, offering hands-on assistance to enhance student problem-solving skills in Python. Provided Grading and Support for the lab assignments for 40+ students.
- Provided personalized tutoring for student needs for improved understanding and proficiency in Python programming.

Undergrad Course Grader

Aug 2022 – Dec 2022

University of Alabama

Huntsville, AL

- **CS317 Design and Analysis of Algorithms** - Grading and Support: Responsible for grading and support for 60+ students. Topics involves: Divide and Conquer, Dynamic Programming, Graphs, Sorting and Searching, Greedy algorithms.

Projects

Sneakers Adda | Technologies: Next.js, React, Node.js, MongoDB, Tailwind CSS, Vercel, OpenAI Dec 2022 – Present

- A dynamic web project leveraging NextJS framework and ReactJS as frontend library for real-time sneaker data by web scrapping and public API endpoint from GOAT.com
- Incorporating Server-Side Rendering, Static Site Regeneration, State Management, MongoDB, Node.js.
- Integrated a feature using the OpenAI API. Hosted on Vercel - [link](#)

CRUD Op's | Technologies: Next.js, React, Node.js, MongoDB, Tailwind CSS

Sep 2022 – Nov 2022

- A full-stack web application built using the Next.js framework, React for the frontend, Node.js for the backend, and MongoDB as the database. It demonstrates core CRUD operations with MongoDB, Server-side processing with Node.js.
- Use case: Managing items like a to-do app with functionalities to add, view, update, and delete items - [link](#)

Human Face Emotion Detection | Technologies: Keras, VGG, NumPy, Pandas, Jupyter

Jan 2022

- Developed a Convolutional Neural Networks model to classify the human's emotion through real time face footage.
- Build on top of a popular pre-trained model VGG-19 with the Transfer Learning methodologies.

Cryptocurrency Tracker | Technologies: HTML, Tailwind CSS, jQuery, JavaScript

Mar 2022

- Built a responsive cryptocurrency tracking app, by real-time data fetching for cryptocurrencies from a public API - [link](#)

Certifications

[Complete Python Bootcamp From Zero to Hero - UDEMY](#) | [Complete JavaScript: From Zero to Expert - UDEMY](#)