

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: JavaScript, HTML/CSS, Python, C, Java, C++; **Databases:** SQL, MongoDB, Postgres

Technologies/Frameworks: React, Next.js, Node.js, Redux, Tailwind CSS, MERN, REST API, Spring Boot, JDBC, Tomcat

Networking: TCP/IP, UDP protocols; **Cloud:** AWS (EC2, RDS, Lambda)

Others: Git/GitHub, CNN, Transfer Learning, Postman, Docker, jQuery, MySQL, Visual Studio, Linux, Windows, MacOS

Academic Coursework: Data Structures and Algorithms, Database Management, Operating Systems, Client-Server Architecture, Multi-threaded/Concurrent Programming, Network Security, Computer Networks, Concurrency Management in Network Applications, Software Engineering.

Experience

University of Alabama

Graduate Teaching Assistant

Huntsville, AL

Jan 2023 – Dec 2023

- **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.
- **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.

Student Specialist IV - Grader

Aug 2022 – Dec 2022

- **CS317 Design and Analysis of Algorithms** - Responsible for grading and in-person academic support for 60+ students.
- Syllabus involves: Divide and Conquer, Dynamic Programming, Graphs, Sorting and Searching, Greedy algorithms, etc.

Garuna – Software Intern

May 2021 – June 2022

- React, HTML5, and Tailwind CSS to craft dynamic, responsive web applications for local businesses. My role involved designing engaging user interfaces and implementing customized, visually appealing solutions that enhanced client operations.

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, MongoDB as the database. It demonstrates core CRUD operations with MongoDB, Server-side processing with Node.js - [link](#)

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

- 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.

Hospital Administration | **Technologies:** Java, File IO, Java Swing, Event Handling

- Developed a standalone desktop-based app with Java Swing for UI, integrating modules for patient registration, emergency services, diagnostics, and scheduling - [link](#)

Certifications

- [AWS Knowledge: Cloud Essentials](#) | [Complete Javascript from Udemy](#) | [Complete Python from Udemy](#)