Sriabhinay Kusuma

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Objective

Highly motivated Computer Science graduate with a 4.0 GPA, eager to apply strong technical skills in software development. Skilled in rapidly mastering new technologies, dedicated to delivering fresh knowledge to the table that exceeds client expectations.

Education

University of Alabama — *Huntsville, AL*
Master's in **Cybersecurity** — Present – Dec 2025

University of Alabama — *Huntsville, AL*
Master's in **Computer Science** – 4.0/4.0 CGPA — Aug 2022 – May 2024

SR Engineering College — Warangal, *India*
Bachelor's in **Computer Science** – 3.3/4.0 CGPA — Aug 2018 – May 2022

Technical Skills

Languages: JavaScript/ TypeScript, HTML, CSS, Python, Java, SQL
Databases: MySQL, MongoDB, PostgreSQL, Supabase
Technologies/Frameworks: React, Next.js, Node.js, Tailwind CSS, MERN, REST API
Others: Git/GitHub, AWS, CNN, Linux, MacOS, Transfer Learning, Postman, Docker, jQuery, MySQL, VS Code, Web Development, Spring Boot, JIRA, Security in Software Development

Experience

University of Alabama — *Huntsville, AL*
Graduate Teaching Assistant — Jan 2023 – Dec 2023

- **CS454/554 Cloud Computing** - Lab Setup and Support: Providing a platform for student teams to experiment with cloud computing concepts. Instructed students in aiding cloud-based software management skills.
- **CS104 Python** - 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.
- Assisted the professor in preparing coursework, assignments, and exams. Hosted office hours for students.

Projects

Sneakers Adda | Technologies: Next.js, React, Node.js, PostgreSQL, Tailwind CSS, Vercel, OpenAI

- A dynamic full-stack web project leveraging NextJS framework and ReactJS as front end library for real-time sneaker data by web scrapping and public API endpoint from GOAT.com
- Incorporating Server Side Rendering, SEO optimized, User Authentication, Database Connectivity, Static Site Regeneration, Speed optimized, extremely smooth user experience. Integrated a feature using the OpenAI API. Hosted on Vercel.

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

- 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.

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. Aimed at hospital admin tasks like login, patient details, record handling etc.

Certifications

- AWS Knowledge: Cloud Essentials | Complete Javascript from Udemy | Complete Python from Udemy