

# Sriabhinay Kusuma

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## Objective

Highly motivated Computer Science Masters 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.

## Experience

### University of Alabama – Graduate Assistant

Aug 2022 – May 2024

- Collaborated on a microservice-based recruitment system to optimize hiring workflows for university departments.
  - Developed key features – application tracking, collaborative review. Improved review productivity by 50% by kanban interface.
  - Developed faculty collaboration tool in ReactJS, significantly improving user experience and code maintenance.
  - Instructed 100+ students in Algorithms, Programming courses. Created cloud environments, in-person labs, grading assistance.
  - Collaborated with professors to build impactful assignments that elevated work completion rates & spike average scores by 10%
- Tech Stack: React, JavaScript, Redux, Node.js, REST APIs, PostgreSQL, AWS, Python, Data Structures and Algorithms

### Garuna – Software Engineer

May 2021 – June 2022

- Delivered responsive web applications with seamless user interfaces using React, Python-based backend services.
- Streamlined deployment workflow with GitHub Actions and leveraged Git for collaboration and version control efficiency.
- Leveraged Cucumber for automated testing, reducing manual testing time by 40%. Enhanced overall delivery time by 30%.
- Enhanced the digital presence of multiple clients, with a 30% boost in customer engagement and a 20% boost in web traffic.

Tech Stack: React, JavaScript, HTML/CSS, Node.js, Express, Django, Python, Cucumber, REST APIs, Git/GitHub

## Projects

### AI-Scraper | Python, LLM, BeautifulSoup, Playwright, OpenAI - [link](#)

- Implemented a AI multi-agent web extraction solution that rapidly gathers complex web data with a text prompt.
- Achieved a 90% anti-bot bypass rate and cut LLM-token usage by 80%, significantly lowering costs and accelerating data-driven decision-making reducing manual overhead and operational friction.

### Go-Get-Gig | Python, NextJS, React, NLP, Vector DB, RAG, AWS

- Built a targeted job discovery platform delivering relevant, fresh, entry-level jobs to enhance early-career hiring success.
- Leveraged NLP-driven filters, text embeddings, contextually relevant listings with RAG, advanced caching, and SEO optimization to boost visibility, and increase successful job matches.

### Sneakers Adda | NextJS, React, Node.js, PostgreSQL, Tailwind CSS, Vercel - [link](#)

- Built a real-time sneakers e-commerce website. Optimized server-side rendering, caching, and database operations to improve load times, elevate SEO rankings.

### Human Face Emotion Detection | Python, Keras, TensorFlow

- Developed a CNN-based emotion classifier built on VGG-19 to streamline facial expression analysis. Achieved 90% accuracy, enabling data-backed strategies that improve user experience and marketing efficacy.

## Education

Master of Science – Cybersecurity	University of Alabama in Huntsville	<b>4.0* GPA</b>	2024 - May 2025
Master of Science – Computer Science	University of Alabama in Huntsville	<b>4.0 GPA</b>	2022 - 2024
Bachelor of Science – Computer Science	SR University, India	<b>3.3 GPA</b>	2018 - 2022

## Technical Skills

**Languages:** JavaScript/ TypeScript, HTML, CSS, Python, Java, SQL

**Databases:** MySQL, MongoDB, VectorDB, PostgreSQL

**Technologies/Frameworks:** React, NextJS, Node.js, Django, Tailwind CSS, Express, MERN, RESTful APIs

**Others:** Git/GitHub, RAG, Linux, Cucumber, AWS, EC2, CNN, Postman, Docker, jQuery, JIRA, Figma, CI/CD, Agile, Spring Boot

**Web3:** Solidity, Smart Contracts on Ethereum Blockchain.

## Certifications & Publications

- [AWS Knowledge: Cloud Essentials](#) | [Complete Javascript from Udemy](#) | [Complete Python from Udemy](#)
- [Detecting Cyberbullying using Machine Learning](#) – Published on Research Gate