

# RIVA KANSAKAR

(309)430-4051 | rivakansakar21@augustana.edu | [linkedin.com/in/riva-kansakar-173092220/](https://www.linkedin.com/in/riva-kansakar-173092220/) | [github.com/rivakk](https://github.com/rivakk)

## PERSONAL SUMMARY

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Looking to merge my Computer Science and Finance skills to create innovative solutions as a successful software developer and entrepreneur for the betterment of society. Furthermore, looking to apply full-stack experience using Java, JavaFX, Python, CSS, Javascript, HTML in meaningful projects.

## EDUCATION

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**Augustana College** Rock Island, IL - Bachelor of Arts

May 2025

**Majors** : Computer Science and Business Administration with a concentration in Finance

**Cumulative GPA** : 4.0/4.0

**Honors/Awards** : Deans list 4/4 terms, Int'l Dean's School Scholarship award, Int'l Old Main Scholarship, Thomas C. Montgomery Memorial Scholarship

## TECHNICAL SKILLS || COURSEWORK

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Java, JavaFX, Python, CSS, Javascript, HTML, Visual code Studio, Microsoft Office, Adobe Software, Git, Software Programming, Web Development || Object-Oriented Programming, Elementary control structures (loops, conditionals, functions, etc.), Data structures and algorithms

## EXPERIENCE

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### Intern at Webguild, Augustana College

Aug 2023 - Current

- Offer back-end and front-end web design services for nonprofit organizations and small businesses by translating graphic designers' designs into functional websites using CSS, JavaScript, and HTML.
- Work closely with clients to understand their specific requirements and tailored websites to their needs.
- Implement user-friendly interfaces and interactive elements to enhance user experience.

### Student Information Technology (IT) worker, Augustana College

Sep 2023 - Current

- Provide on-site and remote technical support, assisting with troubleshooting hardware and software issues, configuring devices, and ensuring a smooth IT experience.
- Assist in the installation, updating, and maintenance of software applications used by students
- Offer guidance on how to utilize resources, including email systems, learning management platforms, promoting efficient use of technology.

### Computer Science Tutor, Augustana College

Aug 2023 - Current

- Conduct one-on-one and group tutoring sessions for undergraduate students enrolled in CSC-201 (Introduction to Computer Science: Python) and CSC-202 (Data Structures and Object-Oriented Programming: Java).
- Assist students in understanding programming concepts, and object-oriented programming principles and troubleshooting programming errors.

## PROJECTS

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### Lesson Plan Manager

Current

- Collaborated with a team using agile methodology a system for gymnastics coaches to create, save, and load (using Gson and Json) lesson plans using JavaFX.
- Lesson plans consist of "cards" grouped by gymnastics events and can search/filter >500 cards by keywords.
- Printing and exporting to PDF supported for letter and A4 size paper.

### Pointillism version of the image

Fall 2022

- Developed a Pointillism Art Maker program using Python
- Implemented a file type validation feature to check if the a file has a .gif extension, exiting the program if it does.
- Created a .art file to store randomly generated pixel coordinates, radius values, and the corresponding color information and executed the random pixel selection process 5000 times to ensure a diverse and rich art output creating a pointilism image

### Search Engine

Spring 2022

- Developed back-end for a search engine project in Java, focusing on case-insensitive document indexing and relevance determination.
- Implemented a document indexer that efficiently accepts input, stores and manages a collection of documents.
- Used data structures such as maps and sets to support fast retrieval of documents containing specific terms.
- Utilized tf-idf (term frequency-inverse document frequency) statistic to determine document relevance to retrieve a set of documents.

## OTHER WORK EXPERIENCE AND INVOLVEMENTS :

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**Resident Assistant**, Office of Residential Life, Augustana College, Rock Island, IL.

Aug 2022 - May 2023

**Vice President**, Nepali Student Association Executive Board, Rock Island, IL.

March 2022 - Current

**Admissions Ambassador**, Augustana Admissions, Rock Island, IL.

April 2022 - Current