Raghav Kaashyap

raghav.kaashyap@gmail.com | raghavkaashyap.com | linkedin.com/in/raghav-kaashyap | github.com/raghavkaashyap

EDUCATION

Iowa State University — Ames, IA
Bachelor of Science in Software Engineering — *Expected Graduation: May 2027*
- **GPA: 3.98**
- **Relevant Coursework**: Introduction to Software Engineering, Object Oriented Programming, Data Structures, User Interfaces, Software Development Practices
- **Activities and Societies**: Computer Science and Software Engineering Club

EXPERIENCE

Session Editor and Recorder — Jan 2024 – Present
Media production - Center for Excellence in Learning and Teaching (CELT) — *Iowa State University, Ames, IA*
- Working with the media production team to edit **100+** audio and visual recordings of lectures to meet requirements for university courses
- Recorded **30+** lectures and ensured their smooth flow by communicating with instructors and the media production team

PROJECTS

Utilities Spend Tracker | *React, Spring Boot, MySQL* — Nov 2024 – Present
- Optimized **expense management** by developing a system to categorize and analyze utility costs, providing actionable insights through automated data processing
- Implemented **Apache Tika** for **PDF parsing**, achieving **90% accuracy** in extracting utility bill data and reducing manual data entry time
- Designed **interactive visualizations** (bar charts, line graphs) to analyze spending trends across 4 utility categories, ensuring **real-time data updates** for improved expense tracking

NutriNavigator | *Android Studio, Spring Boot, MySQL* — Aug 2024 – Dec 2024
- Collaborated in a team of 4 to develop a crowd-sourced calorie-tracking mobile app with 3 distinct user roles
- **Built 10+** backend functionalities, including calorie tracking, **JWT-based user authentication**, and meal planning, optimizing API response time and scalability for real-world users
- Implemented **CI/CD pipelines** using GitLab Runner and created **25+ unit tests** with Rest Assured, achieving **95% API** test coverage and ensuring robust API functionality
- Enabled user features such as recipe creation, dietary restrictions, messaging, push notifications with WebSockets, and personalized recipe bookmarks and ratings

Night Out | *React Native, Expo, Git* — Jan 2024 – Apr 2024
- Developed an interactive cross-platform mobile application using React Native and Expo, designed to help users plan their night out
- Added interactive features like a scrollable map, a dropdown menu listing local bars/restaurants, and clickable markers that display statistics and relevant information for each selected bar/restaurant
- Utilized Git for version control, ensuring efficient collaboration and management of the codebase throughout the development process

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS
Developer Tools: Git/GitHub/Gitlab, Postman, VS Code, Maven, PyCharm, IntelliJ, Eclipse, Figma, Jira, Swagger
Libraries/Frameworks: Spring Boot, React, React Native (with Expo), Node.js, Express.js, Bootstrap
Database Technologies: MySQL, SQLite, MongoDB

HONORS AND AWARDS

- Dennis and Marlys Thovson Scholarship recipient
- Ross White Engineering Scholarship recipient
- College of Engineering Dean's List - Fall 2024, Spring 2024, Fall 2023
- Top 2% Engineering (Sophomore)