AAVASH KUIKEL

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Education

University of Louisiana Monroe   **Expected Graduation Date:** May 2026
Bachelor of Science in Computer Science

GPA: 3.94/4.0

Relevant Course Work: Analysis of Algorithms, Data Structures, Internet Programming, Advanced Discrete Mathematics, Programming Language, Introduction to Computer Architecture, Calculus (I&II), Linear Algebra, Statistics

Skills

Languages: Python, JavaScript, TypeScript, Java, PHP, C++, SQL, Ruby, HTML5, CSS3, Bootstrap 5, SQL,
Tools & Frameworks: React JS, Express JS, Flask, Django, Git, MongoDB, Spring Boot, Firebase, Postman, Google Cloud Platform, Figma

Experiences

University of Louisiana Monroe   **Jan 2024 – Present**
Teaching Assistant
- Assisting the instructor in the CSCI-2000 course by supervising class meetings and answering student questions during lectures.
- Conducting weekly office hours to assist **53** students with varying prior programming experience on concepts like conditional statements, loops, etc.
- Created full stack desktop application using **JavaFX** that can generate multiple variations of practice problems related to topics covered in the introduction to programming class
  Skills: Python, Java, Public Speaking

University of Louisiana Monroe Athletics- Sports Medicine   **Jan 2023 – Present**
Database Administrator
- Creating entries of new athletes, adding, and updating injuries and treatment information of student athletes, and periodically deleting records of inactive athletes for **400** athletes
- Collaborated with the database development team to integrate advanced search filter options
  Skills: Database, Database Management

GOOGLE DEVELOPER STUDENT CLUB CORPORATION (Monroe, LA)   **Aug 2022 – Aug 2023**
Lead Website Developer
- Lead a team of 3 to utilize **HTML, CSS and JavaScript** to develop the frontend and **Spring Boot & SQL** to develop the backend and the database for Google Developer Student Club comprising of **100+** members.
- Developed comprehensive **unit and integration tests** for the implemented aggregate functions, along with creating detailed **documentation** to assist users in effectively utilizing and navigating through the functions.
  Skills: JavaScript, CSS, HTML, Spring Boot, MySQL, Git, Visual Studio, Testing, Debugging

Projects

Campus Find – *Spring Boot, MySQL, React Native*
- Engineered a university centric platform to build a webapp for convenient navigation and retrieval of lost belongings within the university
- Employed an efficient **O(NlogN) Quick Sort Algorithm** for sorting items based on found date and optimized retrieval time by using **O(logN) binary search**
- Implemented service that allows finders and owners to receive email alerts, and track exact location using Google Maps.

Social Book– *HTML, CSS, Django*
- Worked on a team of **2** to orchestrate Instagram inspired web application that allows media sharing, interactive comments, user connection and message functionality in real time.
- Used by more than **20+** students among which **5+** rated **5 stars.**

Disaster Tweets Classification- *Python, NumPy, Pandas*
- Worked on a team of **2** to create a **deep learning-based** classification model that can identify whether a tweet is related to a disaster or not.
- Utilized Python and its libraries for data cleaning, data exploration, model creation, and model analysis to get accuracy up to **79.77%.**

Leadership

Research Assistant – University of Louisiana Monroe   **Aug 2023 - Dec 2023**
- Assisted Dr. Taewoo Kim in a research project analyzing the impact of user-generated online reviews on business, funded by $400 grant.
- Secured 2nd position for presentation excellence at the university research symposium among 100 participants.

Public Relation Officer- Google Developer Students Club   **Jan 2023 - April 2023**
- Hosted tech workshops including GITHUB sessions for freshmen guiding them in GITHUB usages, AI & Cloud Computing on collaboration with IBM, web development sessions (HTML/CSS) & Docker workshops.
- Coordinated email invitations and managed the design and distribution of flyers to promote club events.

Research Assistant – University of Louisiana Monroe   **Aug 2023 - Dec 2023**
- Executed a research project that examined healthcare access disparities between undocumented immigrants in the United States by analyses of immigration data uninsured population rates and hospital admission statistics using **Matplotlib.**
- Authored a research paper presenting the findings and outcomes of the healthcare access disparities funded by a $400 research grant

Courses and Certifications

REST APIs (LinkedIn)   Version Control (Coursera)
Java (LinkedIn)   Grokking the Behavioral Interview (Educative)
MySQL (LinkedIn)
Python (LinkedIn)
JavaScript (LinkedIn)
Programming with JavaScript (LinkedIn)
Data Structures and Algorithms Specialization (Coursera)
CS50: Introduction to Computer Science (Harvard University)
CS50's Web Programming with Python and JavaScript (Harvard University),
Spring Boot 6 & Hibernate (Udemy)Version Control (Coursera)