

SHIVANK KAPOOR



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github.com/ShivankKapoor

Education

University of Texas at Dallas

Bachelor of Science in Computer Science

Fall 2020 – Spring 2024

Richardson, Texas

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Software Engineering
- Operating Systems
- Programming in UNIX
- Database Management
- Object Oriented Design
- Machine Learning

Technical Skills

Languages: TypeScript, Python, Java, C++, C, HTML, CSS, SQL

Developer Tools: Jasmine, Docker, Markdown, Git

Technologies/Frameworks: Angular, RxJS, Flask, REST APIs, Firebase, Unix, Swing, Tkinter, Gitlab

Experience

Software Engineer Intern

May 2023 – December 2023

Motio, Inc.

Plano, Texas

- Worked on the MotioCI application, a specialized platform for managing and enhancing IBM Cognos BI (Business Intelligence) environments.
- Developed a new responsive user interfaces using Angular, TypeScript, HTML, and CSS for the MotioCI application.
- Collaborated closely with the back-end team to integrate GraphQL APIs, ensuring efficient data retrieval and display.
- Translated design specifications into visually appealing and functional user interfaces for MotioCI.
- Actively participated in code reviews and agile development sprints to maintain and develop quality software.

Projects

GPA-Analytics | *Angular, Flask, Python, TypeScript, SQL*

- Developed a comprehensive grade-tracking application. Using Angular for the frontend user interface and the Flask framework with SQL Alchemy for the backend functionalities.
- Designed and implemented a secure user authentication system using JWT tokens to facilitate safe and reliable login procedures.
- Created a user-friendly interface with a simple and easy-to-understand design with the Angular Material component library.
- Implemented dynamic visualization tools for GPA trends, including a “what if” feature for simulating GPA variations

Reel Rater | *Angular, TypeScript, HTML, CSS, PocketBase*

- Developed a web application using Angular, PocketBase, and Google’s Material Design assets to track what movies the user watched and what they rated them.
- Implemented features that enabled users to log and track their movie experiences, record detailed reviews, and calculate personalized viewing preferences based on genre preferences and ratings.
- Utilized Angular Material components to create a modern and responsive user interface, adhering to Google’s Material Design principles.
- Integrated PocketBase for efficient data storage and retrieval, enhancing the application’s real-time capabilities.

Time To Leave | *Java, Swing Toolkit, Google Matrix API*

- Built an application in Java using the Swing toolkit and the Google distance matrix API to notify the user when to leave for their next class.
- Implemented the Google Distance Matrix API to calculate walking times accurately.
- Integrated a notification system to alert users when it’s time to leave for their next class based on real-time calculations.

Extracurricular

Association for Computing Machinery

Member

Fall 2020 – Present

University of Texas at Dallas

Artificial Intelligence Society

Member

Spring 2022 – Present

University of Texas at Dallas