

SHIVANK KAPOOR

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EDUCATION

The University of Texas at Dallas, Richardson, TX

May 2024

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures, Algorithm Analysis, Software Engineering, Database Management, Object Oriented Design, Machine Learning, Programming in UNIX, Operating Systems, Software Project Management

TECHNICAL SKILLS

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

Developer Tools: Jasmine, Docker, Markdown, Git

Technologies/ Frameworks: Angular, RxJs, React, Flask, Spring Boot, REST APIs, Firebase, UNIX, Swing, Tkinter, Gitlab

EXPERIENCE

Software Engineering Intern

May 2023 – December 2023

Motio, Inc.

- Developed the MotioCI application, a specialized platform for managing and enhancing IBM Cognos BI (Business Intelligence) environments, improving operational efficiency for over 500 enterprise clients.
- Helped create new responsive user interfaces using Angular, TypeScript, HTML, and CSS for the MotioCI application, resulting in a 20% increase in user satisfaction based on feedback surveys.
- Collaborated closely with the back-end team to integrate GraphQL APIs, improving data retrieval efficiency by 15%, ensuring faster and more responsive data display.
- Actively participated in code reviews and agile development sprints to maintain and develop quality software.

PROJECTS

Attendance Tracker | JavaScript, HTML, Java, Spring Boot, SQL

- Led a team of 4 developers in designing and implementing an attendance tracker application, now being used by over 300 students at the University of Texas at Dallas
- Achieved a 90% satisfaction rate among surveyed students who preferred the new attendance system over traditional methods.
- Directed front-end development using JavaScript and HTML
- Architected and developed the back-end with Spring Boot and SQL
- Built an administrative console with Java's Swing toolkit

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

- Developed a comprehensive grade-tracking application using Angular for the front-end user interface and the Flask framework with SQL Alchemy for the back-end functionalities.
- Built and deployed a secure user authentication system using JWTs 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 movie ratings.
- Implemented features that enabled users to 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.