

NIKHIL KARVE

Atlanta, GA. | 470-753-3240 | karvenikhil26@gmail.com | [LinkedIn](#) | [Github](#)

SUMMARY

As an innovative and task-driven MSCS student and aspiring software engineer, I am proficient in full stack web/mobile app development and testing. With a strong ability to learn new technologies quickly, I am eager to apply my skills to solve challenging business problems and help build scalable, robust software. My goal is to secure a Software Engineer position in a company where I can leverage my technical skills and problem-solving abilities to contribute to the development of high-quality, user-friendly software.

EXPERIENCE

Frontend Developer Intern

June 2022 - August 2022

Global Payments / TSYS - Fintech.

Technologies - React, Redux, TypeScript, Jest, Less(CSS)

- Worked in Product Engineering Team as a Frontend Developer to build UI components using React, TypeScript.
- By creating reusable UI components using React, I reduced the development time and effort needed to build similar features in the future.
- Implemented Redux flow to manage the data flow throughout the application and different components, ensuring that the data was consistent and up-to-date.
- Wrote unit tests using Jest/Enzyme to ensure that the code was of high quality and free of bugs.
- Used Jenkins to manage the CICD workflow reducing the time and effort required to deploy new features to production.

Graduate Research Assistant

Jan 2022 - Dec 2022

Georgia State University

- Collaborated with researchers from Departments of CS, GeoScience, and Physics on Radon Detection testbed Research (NSF Grant)
 - Investigated Radon propagation by engineering a Sensor nest that measures various parameters at different topographies.
 - Upscaled 20 nest devices with 100% data redundancy through a 3-layer data storage architecture, obtained 99.8% accuracy.
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TECHNICAL SKILLS

- Programming Languages : JavaScript, TypeScript, C++, Java, C.
 - Frameworks & libraries: React, NodeJS, Jest, Flutter, Spring Boot
 - Databases: MongoDB, MySql.
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EDUCATION

Masters in Computer Science
Georgia State University

August 2021 - May 2023.

Bachelor of Engineering - Computer Science Engineering
University of Pune, India.

August 2016 - May 2020.

PROJECTS

Project title: Sorting Simulation ([Live Demo](#))

- Users can observe how the algorithm works, step-by-step, in real-time, providing a better understanding of the underlying logic.
- Implemented a capability to switch between different sorting algorithms, including Bubble Sort, Quick Sort, Merge Sort, and more, to compare their performance and efficiency.
- Users can change the size of the array or generate a new one, allowing for easy experimentation with different input sizes.
- Added the feature to preview the Java code for the chosen algorithm, providing a better understanding of the implementation.

Project Title: DevFinder API

- Designed a backend CRUD API with NodeJS, Express, MongoDB.
- Functionalities include listing all developers and their skills in the database[pagination, filtering, selecting, limiting included], searching for developers by radius using zip code.
- Implemented user authentication.

Project title: PaperStox

- A paper stock trading application.
- Built Frontend using Flutter and used Firebase for backend.
- I worked on the buy/sell page of the application and the settings page. Application has features such as watchlist, history, details etc. Worked with firebase to handle user data.

Project title: Bushop

- Bushop is an android app that tracks the user's current location and helps the user to find nearby bus-stations within a 1km radius.
- The app also has an authentication & search feature which helps the user to search buses & their schedule via route number, source and destination.