NIKHIL KARVE

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SUMMARY

Innovative, task-driven MSCS student and an aspiring software engineer. Proficient in full stack web/mobile app development, testing with an ability to learn any new framework/technology quickly. Looking for opportunities to solve challenging business problems and apply my skills to help build scalable, robust softwares.

EDUCATION

Masters in Computer Science   August 2021 -Expected (Dec 2022)
Georgia State University

Bachelor of Engineering in Computer Science Engineering   August 2016 - Oct 2020.
University of Pune, India.

TECHNICAL SKILLS

- Programming Languages : JavaScript, C++, Java, C, JavaScript.
- Frameworks & tools: React, Flutter, NodeJS.
- Databases: MongoDB, MySql.

EXPERIENCE

Graduate Research Assistant   Jan 2022 - Present
- 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.

PROJECTS

Project title: Sorting Simulation (Live Demo)
- Built a simulation of sorting algorithms using Vanilla JS.
- Functionalities include simulation of the working of the algorithm, being able to switch between different algorithms, changing the size of the array or generating a new one and previewing Java code for the chosen algorithm.

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], Search for developers by radius using zip code.
- Implemented user authentication.

Project title: PaperStox
- A paper stock trading application.
- 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.

Project Title: Quora Question Pair Similarity.
- Goal is to tackle this natural language processing problem by applying advanced techniques **to classify whether question pairs are duplicates or not**. Doing so will make it easier to find high quality answers to questions resulting in an improved user experience.
- Performed text-preprocessing and **built some features by analyzing the textual data and finding text similarities.**
- Used and tried different models and finally got a log-loss score of **0.3** on test data.