

ANISH REDDY BANDA

Address: 121 Glenville Avenue, Boston, 02134, MA | Mobile: +1 (848) 801-6665 | Email: anishrb@bu.edu

[Linkedin](#) | [Portfolio](#)

EDUCATION

Boston University | Master of Science in Computer Science Sep 2022 - Jan 2024

Mahatma Gandhi Institute of Technology | Bachelor of Science in Computer Science Jul 2017 - Jul 2021

EXPERIENCE

Software Engineer Jul 2021 - Jun 2022

Cognizant | Hyderabad, India

- Optimized workflows and configurations, slashing file ingestion time by 25% for accelerated data processing.
- Implemented data validation rules, reducing errors by 90% during the file ingestion process.
- Automated tasks, boosting data integration efficiency and overall productivity.
- Strengthened data security and compliance through encryption and access controls.

SKILLS

Computer Languages/Tools: C, C++, Python, Java, SQL, R, JavaScript, HTML, CSS, TypeScript, React, Angular, Node.js, Kubernetes, Flask, Dash, Docker, Google Analytics, Adobe Analytics, Adobe Target, Jira, control-m, Tableau, Git.

Databases: MYSQL, MongoDB.

PROJECTS

ThreadShare

[Live-website](#)

- Spearheaded the development of ThreadShare, a dynamic social media platform inspired by Reddit.
- Utilized React.js for the frontend and transitioned from Firebase to Node.js for the backend.
- Integrated MongoDB as the primary database to enhance data management capabilities.
- Implemented critical features including user registration, post creation, and voting, adhering to industry standards.
- Overcame technical challenges through iterative refinement, ensuring a seamless transition between technologies.
- Currently strategizing future development phases to optimize scalability and introduce new features.

Portfolio-Website

[Live-website](#)

- Developed a dynamic portfolio website using React.js, incorporating animations and web design aesthetics.
- Created a dynamic personal portfolio website with React.js, featuring modern design and engaging animations.
- Demonstrated adept use of React context API for effective state management and improved user interactions.
- Implemented a user-friendly contact form using the Email.js API for seamless communication.
- Enhanced user experience by integrating the Leaflet API for interactive maps and location-based information

A Supervised Machine Learning Approach For Analysis And Prediction Of Water Quality

[Publication Link](#)

- Curated water quality data from King County, containing 1.63 million rows for 68 areas from 1971 to 2019.
- Implemented the weighted arithmetic WQI method, considering weights, relative values, and standard values for each parameter
- Employed a range of machine learning algorithms, including Multilayer Perceptron, XGBoost, Random Forest, AdaBoost, Naive Bayes, KNN Regressor, and SVM..
- Published proceedings in Springer Lecture Notes on Data Engineering and Communications Technologies(Scopus).