

Aleena Jimmy George

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EDUCATION

University of North Carolina at Charlotte

Charlotte, NC

Masters of Science- Computer Science

May 2023

- CGPA 4/4
- Software System Design and Implementation, Network-Based Application Development, Knowledge Discovery in Databases, Database Systems, Parallel Computing, Algorithms, and Data Structures

University of Mumbai, Fr C Rodrigues Institute of Technology

Mumbai, India

Bachelor of Engineering- Computer Engineering

Aug 2015 - May 2019

- CGPA 7.64/10

SKILLS

Frameworks and Libraries: Angular 6, Bootstrap, jQuery, RxJS, Express.js, Redux, Axios, React 17

Web Technologies: HTML5, CSS, SCSS

Scripting and Programming languages: JavaScript, TypeScript, Node.js, C, SQL, JAVA

Chart Libraries: D3, NVD3, ApexCharts

Tools: GitHub, Git Bash, Vim, Postman, Android Studio, MySQL Workbench, JIRA

WORK EXPERIENCE

EdCast Asia Private Limited

Mumbai, India

Software Engineer

Jun 2019 - Jul 2021

- Developed an Analytics portal and CIO Dashboard to obtain Product Engagement and User Activity Insights.
- Integrated interactive chart libraries to assist with Visualization and Interpretation of Data.
- Regulated a team of developers responsible for migration of the codebase from Angular 6 to React 17.
- Improved quality of code by setting coding standards, conducting thorough code reviews, and developing reusable generic components, in turn eliminating redundancy and expediting the development process by 70%.
- Collaborated on planning and development of a component-based Content Management System for developer and software documentation.
- Modified project structure to support multiple deployment environment configurations.
- Participated in Agile software development of new feature developments while supporting existing software products.
- Debugged, performed root cause analysis for software problems, and provided workable solutions.
- Designed and developed Email templates.
- Integrated and set up common service functions and interceptor middleware to handle RESTful API requests and responses.

PROJECTS

Blog and Portfolio FullStack Project

React 17, MySQL, Node.js, Express.js

2021

- Spearheaded a design for a Content Management System, with user ability to create and publish blogs.
- Architected a project structure that maximizes the reuse of UI components, and aids the process of making the system dynamic in future versions.

Video Player Controller

JavaScript, HTML, CSS

2021

- Created an HTML5 Video Controller supporting basic control API and playback media status change implementations.

Image compression using Generative Adversarial Networks (GAN's)

JavaScript, Python

2019

- Formulated a near to lossless image compression mechanism that obtains contours of colored filled images using GAN, encodes the output into a text file that can be transmitted over the network, achieving 70% to 80% compression, and an average compression ratio of 0.6897, optimizing space and speed.

Blackspot marking and detection application for Accident-prone areas

MySQL, Node.js, Leaflet.js

2019

- Devised a system to identify and flag coordinates on a map as Accident-prone based on pre-recorded data and a live accident reporting mechanism.
- Incorporated additional features like an emergency alert system, to request help, alert, and share location with select contacts via SMS integrations.

E-Commerce Platform

JavaScript, HTML5, CSS, jQuery, Bootstrap, PHP, MySQL, JAVA

2018

- Engineered a business-to-consumer (B2C) type e-commerce Web and Mobile platform enabling individual business owners to advertise and sell products.
- Facilitated a mechanism enabling Admin to review and approve product listings and create discounted deals.