

AKSHAY REDDY KOLA

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EDUCATION

Master of Computer Software Engineering

Arizona State University, AZ

August 2022 - May 2024 (Expected)

GPA: 4.0/4.0

Bachelor of Technology in Electronics and Communication Engineering

Dr. B R Ambedkar National Institute of Technology, Jalandhar, India

July 2015 - June 2019

GPA: 3.1/4.0

Relevant Courses: Data Structures and Algorithms, Mobile Systems, Foundations of Software Engineering, Software Verification Validation and Testing, Operating systems, Object-oriented programming

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Java, C, C++

Web Technologies/Frameworks: ReactJS, AngularJS, Node.js, React Native, HTML, CSS, JUnit

Tools, Databases and OS: GIT, JIRA, Confluence, PostgreSQL, Firebase, Windows, MacOS

PROFESSIONAL EXPERIENCE

Research Aide, Arizona State University, Tempe, AZ

May 2023 - Present

- Spearheaded the design and development of the Knowledge Alliance Tool to revolutionize collaboration and resource discovery for ASU faculty and community experts.
- Revamped the user interface (UI) of the current ASP.NET codebase through the migration to **React JS**, yielding notable improvements in performance, user-friendliness, and scalability.
- Restructured legacy data access layers and incorporated API-based architecture to optimize search engine functionality and streamline collaboration processes.

Applications Developer, Oracle India Private Limited, Hyderabad, India

June 2019 - July 2022

- Facilitated Agile Development of Cost module in '**Oracle Aconex**' by performing various feature enhancements on both front-end and back-end using **AngularJS** and **Java**, delivering over 35+ full production releases to top-account customers.
- Significantly contributed to the enhancement of Redwood UI, a cutting-edge theme designed to revitalize the coloring, layout, and overall user experience of Aconex, resulting in a modernized interface for improved customer satisfaction.
- Improved core functionality and performance of real-time budget calculations which resulted in **2 times** faster average response time. Refactored Java code and increased JUnit coverage by **50%**.

Software Developer Intern, VoyceFirst, Hyderabad, India

June 2018 - July 2018

- Developed Amazon Alexa Skills with **Alexa Skill Kit (ASK)**, which is a collection of APIs for creating a voice interaction model using AWS services like **AWS Lambda**, for running the **JavaScript** code virtually, and **Amazon S3**, for cloud storage.
- Published three Alexa skills – *Guess the song*, *Anagramania*, and *Are you smarter than a 7th grader?* - which are now live on Amazon's website.
- Collaborated with a group of five senior developers to build 'Qvick,' a smart voice assistant that enables guests at hotels to place service requests and other complaints using simple voice commands.

RELEVANT PROJECTS

XChange - a knowledge sharing Q&A platform

- Devised an interactive model for Question and Answers, using **React JS**, that connects customers with the support and product development teams across the organization to collaborate and share knowledge on best practices in the construction industry.
- Implemented features such as 'post a question,' 'search related questions,' 'upvote/downvote answers,' etc.

MealMatch - a Decision Making app, [URL](#)

- Developed a **React JS** and **Firebase** solution for a group decision-making app, facilitating the selection of dining venues among friends with diverse culinary preferences.
- Integrated the Yelp API to fetch an extensive list of restaurants, enabling users to vote on their preferred choices. Implemented essential features such as link sharing, requiring friends to vote on the shared options.

Hangman Game, [URL](#)

- Designed and Developed a sophisticated Hangman game utilizing **React JS**, and **Firebase**, leading to a seamless user experience for a diverse player base of over 200 individuals.
- Collaborated with a team of 3 to develop and optimize the frontend interface and backend code for the game, successfully integrating dynamic features including real-time scoring updates and single-session game sharing functionality.