

Vignan Reddy Keshavagari Perumalla

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EDUCATION:

University of Southern California - Los Angeles, California

Jan 2023 - May 2024

Master of Science, Computer Science; GPA: 3.78 / 4

Courses: Analysis of Algorithms, Database Systems, Machine Learning for Data Science, Web Technologies, Natural Language Processing

Malla Reddy College of Engineering - Hyderabad, India

Aug 2017 - Jul 2021

Bachelor of Technology, Computer Science and Engineering: GPA: 9.29 / 10

EXPERIENCE:

Import Hub, Backend Lead

Jul 2023 - Sep 2023

- Volunteered to design MongoDB database schemas and managed a team of three to create 6 RESTful APIs for user verification, content management, and data retrieval using the Node.js Express framework for a web platform that shares interview experiences.

MedPlus Health Services Pvt. Ltd, Trainee Software Engineer

Apr 2021 - Aug 2021

- Developed a full stack library management project using Spring Boot as the backend framework, MySQL as the database, and React as the frontend framework.
 - Employed Maven as the build automation tool, simplifying project setup and dependency management.
 - Designed efficient database schemas using MySQL to manage book records and user information, establishing relationships among them for efficient data retrieval.
 - Created RESTful APIs using Spring Boot for book inventory and user management. Tested API calls with Postman to ensure smooth data flow between Spring Boot and the database.
 - Optimized the search filter by authors using MySQL indexing techniques, reducing retrieval time by 30%.
 - Built an intuitive and responsive user interface with React, enhancing accessibility and user interaction for library staff and users.
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TECHNICAL SKILLS

- Programming Languages:** Java, Python, JavaScript, C
 - Frontend Web Development:** HTML, CSS, React JS, Tailwind CSS
 - Backend Web Development:** Database Management(MySql), Java Spring Framework, MongoDB, Flask, Node JS
 - IDEs and Tools:** Eclipse, IntelliJ, Visual Studio Code, MySql Workbench
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PROJECTS:

ClubFairs Web App - Spring Boot, MySQL, React, Tailwind CSS

May 2023 - Jul 2023

- Developed a dynamic Club Fairs web application allowing users to advertise their clubs, explore various club posts, and connect with club owners. Leveraged Google OAuth for secure user authentication, and ease of access.
- Optimized club post insertions using batching with Spring Boot, reducing insertion time by 25% for a MySQL database that manages users, posts, saves, and likes.

Event Search Application - Node.js, Express, React, CSS

Feb 2023 - Apr 2023

- Developed a web application leveraging the Ticketmaster API, enabling users to search and discover events, retrieve artist and venue details, and book tickets through integrated links.
- Achieved a 20% improvement in user experience by implementing auto-complete search functionality using React hooks, integrating an auto-detect location feature, and creating an interactive React carousel to display event, artist, and venue details.

Movie Night Web App - Node.js, Express, React, MongoDB, Tailwind CSS

Aug 2022 - Sep 2022

- Movie Night Web App enables authenticated users to create and share movie night events, specifying details such as venue, up to 5 movie options, voting end time, and event time.
 - Generated a shareable link for event participants to vote on movies and integrated the TMDB API for comprehensive movie search and selection.
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HONORS AND AWARDS:

- Received top honors for engaging and informative poster presentation on Augmented Reality at Annual Cultural Fest in March 2018, showcasing strong presentation and communication skills, as well as a deep understanding of emerging technologies.
- Ranked among top 0.5% of Computer Science students in UG college, reflecting a strong academic performance.