**Kunta Anoop Reddy**

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## EDUCATION

**California State University – Dominguez Hills** *August 2023 – May 2025*
Master's in computer science. ***CGPA:*** *3.7/4.0*

**Sphoorthy Engineering College – JNTUH** *August 2018* - July *2022*
Bachelor's in computer science. ***CGPA:*** *3.5/4.0*

## EXPERIENCE

**FULLTIME - Junior Software Engineer**

**Broadridge Financial Solution, Hyderabad** *April 2022 - July 2023*

- Conceptualized and executed the migration from EJB to Spring, resulting in a 30% transformation in application structure and improved maintainability.
- Collaborated on rewriting frontend components from JSP to ReactJS, resulting in a 40% improvement in user experience and the seamless incorporation of modern UI features.
- Designed and orchestrated APIs for seamless data retrieval from backend systems, ensuring fluid integration with the frontend and achieving a 25% enhancement in data retrieval efficiency metrics for up-to-date information presentation.
- Implemented APIs optimizing data retrieval, achieving a 20% reduction in latency, ultimately enhancing the user experience with a noticeably smoother data presentation.
- Facilitated the management of the QA database, identifying and rectifying data discrepancies by executing SQL procedures, thereby minimizing the impact.
- Led the internship program as the primary contact, guiding interns in tasks by providing hands-on assistance and fostering a clear understanding, contributing to a successful and enriching learning experience.
- Co-ordinated in identifying and addressing security vulnerabilities, rectifying cross-site scripting issues across the application and achieving a notable 30% improvement in overall security.

## INTERNSHIP

**Broadridge Financial Solution, Hyderabad** *October 2021 - April 2022*

- Played a pivotal role in creating sophisticated, reusable Java code with a deep understanding of Object-Oriented Programming, contributed to code rewriting, leveraging cutting-edge Java features, leading to enhancements in project quality and scalability.
- Enhanced security measures by addressing vulnerabilities, resulting in a 25% reduction in potential threats and reinforcing robust defenses across the system.
- Leveraged in-depth proficiency in batch processing, incorporating a nuanced understanding of SQL Loader, to streamline data loading. Utilized PL/SQL procedures, ensuring heightened accuracy and efficiency for data management system.
- Facilitated impactful software upgrades aligned with business needs, resulting in a 35% improvement in system functionality, resolving issues and optimizing overall performance.

## PROJECTS

**College Library Management System**

- Developed a functional Library Management System for the college library department, showcasing proficiency in coding, GUI development, database integration, and problem solving. Achieved a 30% betterment in data entry efficiency metrics.
- Seamless book entry, editing, and removal contribute to a 30% reduction in human error in record management. Orchestrated an adaptive system to calculate book rent based on specific parameters, such as rental duration, providing flexibility and accuracy in determining rental fees.
- Employed JDBC and MySQL alongside JavaFX, surpassing alternative methods, and achieved a 30% increase in efficiency for data entry. and overall user satisfaction metrics for the display of book information.

**Resume Builder**

- Developed and implemented an Online Resume Builder for the Department of Computer Science, reducing resume creation time by 25% through streamlined processes, facilitating the production of professional-looking resumes.
- Enhanced a user-friendly Online Resume Builder using HTML-5 and CSS-3 for the front-end and Django for the back end, minimizing human intervention.
- Integrated a comprehensive online form for personal, educational, and professional details, resulting in a 25% reduction in resume creation time through a streamlined and modular approach.

**Garbage Detection**

- Developed the implementation of a TensorFlow-based smart waste management system, enhancing operational efficiency by 20% and responsiveness through real-time object detection and classification, as measured by reduced response times to waste disposal issues.
- Engineered a multi-compartment bin system with Faster R-CNN and ResNet, resulting in a 16% increase in waste recycling efficiency and accurate waste classification, supported by experimental data demonstrating enhanced detection and location accuracy.
- Implemented a data fusion strategy to overcome region false identification problems, resulting in a 30% reduction in false positives.

## TECHNICAL SKILLS

**Languages**: Python, Java, C, JavaScript, AWS CLI scripting.
**Web Technologies**: HTML5, CSS3, ReactJS, SpringBoot, Django.
**Databases**: MySQL, Oracle SQL, PostgreSQL, Amazon Dynamo DB.
**Tools**: GitHub, IntelliJ IDE, Perforce, RAD, Tomcat, Eclipse, VSCode, Docker, CloudBee, Jenkins, Anaconda, Bigdata Spark, AWS Management Console.