

Anoop Reddy Kunta

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EDUCATION

California State University – Dominguez Hills

August 2023 – May 2025

Master's in Computer Science

CGPA – 3.87

- **Relevant Courses:** Design and Analysis of Algorithms, Fundamentals and Concepts of Programming Languages, Object-Oriented Analysis and Design Methodology, Adv. Big Data and Cloud Computing, Human Computer Interaction, Software Project Planning

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++, JavaScript, PHP, Typescript, Shell scripting, PL/SQL.

Databases: MySQL, PostgreSQL, Amazon Dynamo DB, Firebase, Microsoft SQL.

Framework/Libraries: Flask, React, NodeJS, NextJS, RestAPI, TensorFlow, Sci-kit learn, SpringBoot.

Tools and Technologies: AWS, Azure, Perforce, Docker, CloudBee, Jenkins, Anaconda, Bigdata Spark, WordPress, Google collab.

WORK EXPERIENCE

California State University | Dominguez Hills

Web Developer

April 2022 – July 2023

- Migrated data storage to AWS S3 and automated backups, reducing data loss risk by 95% and boosting backup efficiency by 50%.
- Developed PHP webpages for student employees, improving internal workflows and increasing operational efficiency by 40%.
- Created ADA-compliant event webpages, significantly boosting engagement by 60% and reducing page load time by 30%.
- Developed Python scripts to automate regular testing processes, increasing efficiency and ensuring consistent website functionality and accessibility.

Broadridge Financial Solution | Hyderabad

Member of Technical Staff

April 2022 – July 2023

- Led migration from legacy EJB to modern Spring and ReactJS in FinTech environment, transforming financial systems and improving user experience by 40%.
- Streamlined database operations by executing PL/SQL procedures, resulting in a 30% improvement in query retrieval speed and ensuring data integrity through advanced SQL techniques.
- Simplified complex legacy code in a batch processing architecture, writing, and configuring scheduled jobs with shell scripts for newer data flows, ensuring seamless integration with existing processes.

Broadridge Financial Solution | Hyderabad

Software Engineer Internship

October 2021 – April 2022

- Enhanced Java code by rewriting and implementing reusable, object-oriented code, improving project scalability and performance.
- Reduced vulnerabilities by 25% by mitigating CVMs and aligning upgrades with business needs, improving functionality by 35%.
- Boosted .dat file processing efficiency in SQL Loader systems by proposing a multithreading architecture for periodic Java jobs.

PROJECTS

Towy - Website [AWS, ReactJs, Spring boot, PostgreSQL]

February 2024 – Present

- Conceptualized and spearheading the development of TOWY, an innovative end-to-end automotive service platform catering to vehicle owners' needs, encompassing gas delivery, towing assistance, and access to local mechanic services.
- Leading the implementation of key features within the TOWY platform, including real-time gas delivery scheduling, emergency towing assistance, and mechanic service bookings, enhancing user convenience and accessibility.
- Leveraged React.js for frontend development, ensuring intuitive and responsive user interfaces, while harnessing the power of the Spring Boot framework for backend infrastructure, ensuring robustness and scalability of TOWY's service delivery.

VR Website [Algorand Blockchain Transaction Explorer]

February 2024 – May 2024

- Developed immersive VR-based Algorand-Blockchain Explorer using A-Frame and React, facilitating real-time visualization of blockchain transactions.
- Integrated backend and frontend technologies using Python and React, utilizing DappFlow API for dynamic data management.
- Implemented advanced VR functionalities for interactive 3D visualization and user interaction within the blockchain environment.

Policy Gradient Reinforcement Learning for "Pong" [Python, Policy Gradient]

March 2024 – April 2024

- Demonstrated expertise in advanced AI methodologies, specializing in reinforcement learning and the development of complex neural networks using TensorFlow and Keras.
- Showcased robust technical skills in managing high-dimensional data and intensified AI agent performance through strategic problem-solving like reward shaping and exploration-exploitation balancing.
- Proven ability in overseeing AI projects, with detailed analysis and documentation of long-term project developments, highlighting proficiency in managing and analyzing AI-driven initiatives.

NFT Marketplace [Solana Network, React JS, Candy Machine, Sugar]

March 2024 – April 2024

- Prompted the design and development of a digital marketplace for trading non-fungible tokens (NFTs).
- Integrated Solana blockchain technology to provide a secure and efficient platform for transactions. Leveraged the capabilities of Sugar, Candy Machine for minting NFTs, enhancing the platform's functionality and enabling real-time asset creation and management.