

Kousalya Kadimella

+1 562-208-1469

kousalya.kadimella@gmail.com

[linkedin.com](https://www.linkedin.com)

EDUCATION

California State University, Dominguez Hills (CSUDH)

Aug 2023 – Current

Masters of Science in Computer Science, Cumulative GPA: 3.71/4

Coursework: Design and Analysis of Algorithms, Data Structures, Object Oriented Analysis and Design

Sri Venkateswara College of Engineering

Aug 2016 – Oct 2020

Bachelor of Engineering in Computer Science, Cumulative GPA: 7.53/10

Coursework: Java, Computer Networks, Database Management Systems, Operating systems

TECHINICAL SKILLS

Programing Languages: Java, JavaScript, SQL, Python & C

Developer tools: Eclipse, VS code, Postman

Web Technologies: HTML, CSS

Cloud Technologies: IBM App Connect

WORK EXPERIENCE

Application Developer, **IBM**

Feb 2021 – June 2023

Project: Id Mobile Telecommunications applications with a cloud-based deployment, utilizing IBM App Connect Enterprise toolkit and MQ for message transmission.

- Constructed two essential telecommunications applications using IBM App Connect by composing **Java** and **SQL code modules**.
- Leveraged Log DNA for **logging** transactions, ensuring thorough record-keeping for auditing and troubleshooting.
- Organized the **delivery of data** information to end customers based on their data usage patterns. Ensured **secure** delivery of codes/OTPs to mobile numbers for customer authentication.
- **Resolved incidents** promptly based on priority, contributing to the smooth operation of the applications.
- Conducted regular **health checks** on systems, proactively identifying, addressing potential issues.

PROJECTS

Cloud Log Assuring Soundness and Secrecy (CLASS)

Feb 2020 – May 2020

- Created a prototype to implement cloud-based logging scheme (CLASS) using Java, JSP & Servlets.
- Implemented log encryption using the public keys of individual users, ensuring that only authorized users can decrypt the content.
- Executed successful experiments with CLASS in an OpenStack environment, affirming its practical applicability in real-world scenarios.
- Developed and implemented a Proof of Past Log (PPL) mechanism utilizing Rabin's fingerprint and Bloom filter to prevent unauthorized log alterations, significantly enhancing verification efficiency.

Online Feedback System

Aug 2019 – Oct 2019

- Developed a User Interface using HTML, CSS & JavaScript for the Online Feedback System for college students to evaluate and analyze college faculty performance.
- Streamlined the feedback process, eliminating manual review of individual feedback pages, reducing workload, and improving record management efficiency. Replaced traditional, space-intensive, and labor-intensive methods with an efficient and space-saving solution.

CERTIFICATIONS

- **Database Management Systems** by NPTEL *Mar 2018*
- Android Development from Scratch to create cool apps from **Udemy** *April 2019*
- Computational Thinking and Problem Solving from **APSSDC** *Sept 2019*