

YASWANTH KATUKOTA

Katukotayaswanth@gmail.com | (669) 291-4755 | [LinkedIn](#) | Ykatukota1@toromail.csudh.edu

EDUCATION

Master Of Science - Computer Science – California State University, Dominguez Hills

Aug 2022 – May 2024

CGPA: 3.4/4.0

Coursework: Design and Analysis of Algorithms, Artificial Intelligence, Software Quality Assurance, Advanced Programming Languages

Bachelor of Technology - Electronics & Communication Engineering, Sathyabama University, Chennai

Jul 2017- May 2021

SKILLS & CERTIFICATIONS

Programming: Java, Python, JavaScript

Web Technologies: ReactJS, HTML5, CSS

Databases & Cloud: MySQL, SQL

Tools & Frameworks: Jupyter notebook, Visual Studio, GitHub, Postman, Thousand eyes, Splunk.

Others: React, Node.js, Bootstrap, Machine learning.

Certifications: Programming for Everybody (Getting Started with Python) - University of Michigan, Complete Python Bootcamp-Udemy, PCB Designing and Reworking - National Skill Training Institute -Government of India.

Professional: Strong Organization and Communication Skills, Creative Thinker, Flexible, Adaptable, Problem Solving.

WORK EXPERIENCE

Mphasis PVT LTD

Associate Software Engineer

Jun 2021 – Jul 2022

- Debugged code and located root causes of problems by reviewing configuration files and logs.
- Worked closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions for mission critical applications.
- Identified and tracked defects with Splunk and supported developers in resolving problems by completing additional tests.
- Resolved or escalated problem tickets to resolve user issues.

PROJECTS

Facial Recognition Using Machine Learning

- Specialized in Face Recognition Technologies, implementing both Geometric and Photometric methods.
- Expertise in Algorithm Optimization for enhanced detection and recognition accuracy using Principal Component Analysis (PCA), Neural Networks, and Elastic Bunch Graph Matching.
- Demonstrated proficiency in Multimodal Biometric Systems, significantly improving system performance through advanced computational techniques.
- Committed to driving innovation in Machine Learning and Artificial Intelligence within facial recognition.

Deciphering Complex Genetic Patterns: Advanced Machine Learning Approaches for SNP Binary Classification

- Explored complex genetic interactions in genomic epidemiology through the 'Modelling Complex Genomic Associations' project, utilizing GAMETES software for simulating diverse SNP datasets.
- Focused on binary classification tasks, this research employed advanced machine learning techniques, including AutoML, to enhance the predictive accuracy of disease phenotypes.
- Demonstrated proficiency in feature selection, model interpretation, and algorithmic optimization. Achieved significant insights into genetic data treatment, emphasizing the development of scalable, interpretable models for personalized medicine.

TO-DO list Web Application

- Developed a dynamic 'To-Do List' web application leveraging full stack development principles and technologies including HTML, CSS, Bootstrap, Angular, JavaScript, TypeScript, and J2EE. Integrated Hibernate for robust database management and utilized Postman API for efficient testing and integration.
- Deployed the application on a Tomcat server, ensuring seamless operation and scalability. Expertise in using pom.xml for project management and dependencies.
- The project showcased advanced coding skills, problem-solving abilities, and a deep understanding of application architecture, contributing to enhanced user experience and productivity.

LEADERSHIP SKILLS

Organizations Commissioner

Board of Director in Associated Students Inc, CSU Dominguez Hills.

- Contributed to conduct, organize, and participate in many activities for California State University, Dominguez Hills.
- Planned and hosted Events Such as the clubs and Organizations wrap-up event collaboration with Lead Office.
- Arranged and chaired Organization Commission meetings by Providing financial Assistance to all clubs and Organizations in the University