

RESHMA RAGHAVAN

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WORK EXPERIENCE

Jr. Machine Learning & Object Detection Engineer
PassiveLogic, Inc.

Feb 2024 - June 2024
Holladay, Utah, US

- Trained, tested, and analyzed image classification performance across MacStudio, VertexAI, and PyTorch environments in service of building out an Object Detection pipeline for integration into PassiveLogic's iOS application.
 - Conducted timed testing and performed data analysis to ensure model accuracy and performance.
 - Developed and organized a comprehensive database of diverse objects to enhance the model's generalization and robustness.
- Skills: Swift, Python, PyTorch, VertexAI, CreateML, CoreML, Apple Vision**

Software Engineering Intern
PassiveLogic, Inc.

Dec 2023 - Feb 2024
Holladay, Utah, US

- Advanced a transformative Machine Learning project from its early stages, assuming ownership and driving progress with insights and technical contributions

PROGRAMMING SKILLS

Languages: Java, C/C++, Python, SQL, JavaScript, HTML, CSS, C#, Kotlin, Typescript, Swift, SwiftUI
Frameworks and Libraries: Git, .NET, Node.js, React, Flask, MySQL, Angular, Android, CoreML, CreateML, Qt, Ktor, Docker
Core competencies: Full-Stack Development, Software Testing, Database Management, Web and Mobile Development, Test-Driven Development, Network Security, Object-Oriented Programming (OOP), Data Analytics, Object Detection, Software Development Lifecycle (SDLC), Neural Networks, Machine Learning

EDUCATION

Master of Software Development
Kahlert School of Computing
University of Utah

2022 - 2023
Salt Lake City, Utah
GPA: 3.9/4.0

Master of Business Administration (Communication Management)
Symbiosis Institute of Media and Communication

2013 - 2015
Bengaluru, Karnataka, India

Bachelor of Science in Visual Communication
M.O.P Vaishnav College for Women, Chennai (Autonomous)

2009 - 2012
Chennai, Tamil Nadu, India

TECHNICAL PROJECTS

Movie Critics Score Predictor (ongoing)

Dec 2023

This self-initiated project combines web scraping, machine learning, and web development to provide users with an estimated critics' score for a movie

Tech Stack: Python, Flask, React, MySQL, BeautifulSoup

Full-Stack Drawing App

Nov 2023

Collaborated with a team to create a feature-rich Android drawing app, implementing phases from basic drawing functionality to advanced features like data persistence, Jetpack Navigation, Jetpack Compose, and social sharing. Additionally, designed and developed a backend server using Firebase for user authentication and data management.

Tech Stack: Android Studio, Kotlin, MVVM, Room, Jetpack Navigation, Jetpack Compose, Firebase, Ktor

Learning Management System

June 2023 - Aug 2023

Developed and launched a Canvas-like LMS, integrating features for class management and user tracking, and deployed it using Docker for scalable infrastructure.

Tech Stack: SQL, C#, LINQ, MVC, .NET, Docker

Chat Client + Chat Server

Feb 2023

Implemented a multithreaded chat app similar to Slack with both a web and mobile (Android) interface and a multithreaded server backend

Tech Stack: Java, HTML, CSS, JavaScript, Web Sockets, Android

MSDScript

Jan 2023 - Mar 2023

Built a basic arithmetic scripting language interpreter

Tech Stack: C++, CI/CD, Test Automation

3 months