Shivani Kalamadi

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Experience

Oracle — Bengaluru, India *2 years 8 months*

Cleveland Clinic Foundations Project

Cloud Analyst   August 2019 - September 2020

As part of a Global Service Delivery team, I worked on cloud based Oracle Fusion Applications like Business Intelligence Publisher (BIP) to create customer facing reports in SQL as well as customizing complex seeded reports. Conducted performance optimization research on the database engine, improving query execution times by around 30%.

Senior Cloud Analyst October 2020 - February 2022

Extensively worked on bursting BI Reports, creating and scheduling ESS jobs. Developed various Inbound and Outbound Integrations using web services and FBDI templates. I lead the campus-to-corporate initiative program, and mentored new hires - Class of 2020 and 2021.

Cloud Engineer March 2022 - May 2022

Worked on Oracle Integration Cloud (OIC) and gained expertise in functional modules of ERP- Financials, Chart of Accounts, Project Portfolio, Inventory and Supply Chain Management. I integrated relevant AI/ML components, enhancing the system's capabilities for data analysis, prediction, and optimization.

Education

University of California Davis — *Masters in Computer Science*

September 2022 - Present **Current GPA: 3.92/4.00**

Machine Learning, Distributed Database Systems, Software Engineering, Algorithms, Network Security, Human Computer Interaction, Operating Systems, Research in CS.

SDM College of Engineering and Technology, Karnataka India — *Bachelor of Engineering*

August 2015 - June 2019 **Cumulative GPA: 4.00/4.00**

Database Management, Data Structures, Big Data Analytics, Computer Architecture, Data mining and Warehousing

Projects

Abstract Art Using Speech Emotions ↗

Used VQGAN and CLIP together as a generator and perceptor on Python Speech Recognition Models: CNN, NLP, LSTM and compared their performance

RadTok — *Blockchain based Video Streaming* ↗

Using Radix blockchain technology RADTOK is a video streaming platform for fair compensation of content creators using the Radix ecosystem for Blockchain. Developed a distributed key-value store using Rust, demonstrating a deep understanding of distributed systems and fault tolerance.

A Study on Browser Extension Ecosystem — *A comparison between Chrome and Firefox* ↗

Using Python and ExtAnalysis core library, this is a thorough comparison of browser extensions with Static Analysis for permissions in manifest.json files and Dynamic Analysis domains contacted and ran them through VirusTotal API for scanning malicious URLs

RISC-V Operating System with Integrated Game — *Ongoing Project* ↗

Developing a RISC-V based operating system with multitasking, memory management, and support for keyboard and video interrupts from the ground up."

Handwriting to Text Conversion — *For Pharmacy Maintenance and Analysis*

Built in Android Studio using Google Vision API in Java for pharmacy maintenance and analysis using Linear Regression in Python.

Skills

C, C++, Rust, Java, Python, JavaScript, SQL and PL/SQL, HTML, TypeScript, CSS

REST, SOAP, BIP, OTBI, OIC, Git, DevOps (Docker, Kubernetes, Jenkins), AWS (EC2s, S3, Sagemaker, DynamoDB, Lambda)

Performance Engineering, Competitive Programming