

PRIYA LAKSHMI THEAGARAJAN

Gainesville, FL 32608

☎ 352-328-2621 ✉ ptheagarajan@ufl.edu 🔗 linkedin.com/in/priya-lakshmi-theagarajan 🌐 github.com/lakshiya

Education

University of Florida

Master of Science in Computer Science; GPA: 3.66

May 2024

Gainesville, FL

SSN College of Engineering

Bachelor of Engineering in Computer science

Jun. 2015 – Apr. 2019

Chennai, India

Technical Skills

Programming Languages: Python, SQL, PySpark, C++, JavaScript, Java, PySpark, Ruby

Technologies/Frameworks: Ab Initio, Chef, Tableau, Django, Git, NodeJS, ReactJS, ExpressJS, Android Studio

AWS: S3, IAM, Lambda, EC2, ECS, Athena, StepFunction, SNS, CloudFormation, Glue, Lakeformation, ServiceCatalog

Work Experience

Barclays

Chennai, India

Software Developer - Cloud

Dec 2020 - Aug 2022

Data Lake creation using server-less ETL pipeline on Cloud

- Led data migration efforts for 12 million US Consumer Banking customers from Hadoop/Oracle to AWS Data Lake by creating a data transformation pipeline
- Implemented monitoring and notification systems for reconciliation between AWS resources and on-premise services using Python and Elastic stack
- Created reusable Service Catalog products via IaC for AWS services: S3, Lambda, IAM, ECS, Lakeformation, Glue, Athena, State Machine
- Provisioned catalog products are used for migration, monitoring, and processing daily batch loads for over 50 feeds across 5 source systems

Deploy SAS Viya on Cloud

- Directed efforts to provision SAS Viya (Data management platform) on AWS environment, enabling SAS users to build efficient analytical solutions
- Created Chef cookbook in Ruby with orchestration steps for deployed SAS Viya on AWS EC2

Graduate Analyst

Aug 2019 - Dec 2020

BI Dashboard - Credit Card Fraud Tubemap

- Modularized complex systems involved in Transactional Fraud Customer journey as a Tubemap (An E2E mapping of customer interactions across multiple channel with KPI metrics)
- Conceptualized with Tableau for front-end and SQL for back-end development
- Automated dashboard replaced the manual weekly report generated by Fraud Analytics team

Projects

Social Media web application using MERN Stack | *NodeJs, ReactJS, Express JS, Mongoose* | [GitHub](#)

Jul 2022

- Developed and deployed a full-stack NodeJS application using ReactJS for front-end, and ExpressJS for back-end with Mongoose database cluster for storage
- Designed a social media web application enables users to perform CRUD operations with react-redux for managing and centralizing application state

Smart Surveillance system | *Python, OpenCV, Raspberry Pi, Pi Camera*

Mar 2020

- Created a face detector using Haar cascade and OpenCV to set up a smart surveillance with pi-camera
- Trained the model to identify the pictures of family members and alert users for unknown faces
- Improved and cost-friendly home security solution to proactively catch intruders

Predictive Analysis on encrypted data | *Python, Heroku, Logistic regression*

Apr 2019

- Deployed a predictive model as a cloud service to analyze private medical data
- Encrypted (Homomorphic encryption) data is sent to predictive model to predict risk of cardiovascular disease
- Secured approach to get prediction results without compromising on the client's data

Certifications and Courses

AWS Developer: Certified AWS Developer with hand-on experience in implementing CI/CD pipeline and AWS services such as ElasticBeanstalk, ECS, ECR, CloudFormation, Glue & Step Function etc

Achievements

Barclays Recognition Award for Excellence: Awarded by the Barclays Global recognition award for delivering one of the most complex customer journey - Fraud.