

ACHINTYA PILLAI

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EXPERIENCE

Mcdonald's Corporation – Software Engineer II

March 2021- Present | CA

- Create and maintain fully automated CI/CD pipelines for code deployment using Jenkins, Groovy/Python Scripts, AWS, Bitbucket and Consul
- Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including backups, patches, and scaling
- Reduced deployment times by improving existing configuration management pipelines for multiple markets and environments.
- Analyze current existing pipelines and conduct redesigned POC to improve efficiency of the pipeline execution.
- Implemented Component testing stage into CI job for multiple applications to showcase testing report for each CI build as a build artifact. This improved testing capabilities and reduced failed CI jobs by 40%
- Reduced deployment time for critical product application and infrastructure from 1 hour to under 2 minute.

Tesla Giga Factory (Panasonic) – Software Engineer

June 2020 - March 2021 | NV

- Wrote multiple production REST API end points in JavaScript for a large-scale distributed backend system (which is called over 100,000 times per day) to allow users to create, read, access and delete data about the Tesla Model 3, Tesla Battery Pack & Panasonic Battery Cells for manufacturing.
- Implemented and wrote API's to get server health data and the send data to System Engineers to conduct regular server health checks. This helped reduce server downtime by half within 3 months and helped the company save \$300,000 in costs.
- Reduced manual data entry for Quality Assurance Team by 80% by building Test data pipeline to collect data from Oracle databases and Microsoft SQL Databases and do calculations automatically on a day to day basis for reporting.
- Implemented and deployed multiple ETL Scripts in Python, R , Microsoft SQL and Oracle using tools such as SQL Agent & SQL developer.

Tesla Giga Factory (Panasonic)– Development Engineer

December 2018 – May 2020 | NY

- Used Python & R to deal with large size unstructured data in MySQL database and MongoDB, to manipulated and reshaped dimensions for EDA and other analysis using Machine learning and probability techniques
- Successfully create pipeline to send and pull company production data from Hadoop.
- Made a Time-Series Forecast to predict how many employees will leave the company due to voluntary and involuntary terminations for the HR Team. Using Python. (Packages & Models: Scikit, Pandas, Numpy, Matplotlib, ARIMA)
- Used MongoDB, HTML, CSS, Node.js and Express to create a company new letter page, which dealt with access management for company specific employees, pulled and uploaded information to NoSQL Database (MongoDB) and used MySQL to pull user data.

Java Teaching Assistant– University at Buffalo

August 2016 – May 2018 | NY

- Wrote Java code for automated test cases when students submitted assignments, to reduce manual grading work by 90%.
- Created labs and demos in Java to help teach a class of 40 students object-oriented programming.
- Wrote code in Java of all major data structures to help 40 students learn about how to code efficiently.

EDUCATION

University At Buffalo – Class of 2019

- M.S. Engineering (Data Science) 3.5/4.0 GPA
- B.S. Computer Science - 3.2/4.0 GPA (2018)

SOFTWARE SKILLS

- **Proficient in:** Python, JavaScript, Node.js, HTML5, CSS, C#, DevOps
- **Worked in:** This, is, a place for tech keywords, that HR will use to, search for your resume, C++
- **Interests:** Graphics, iOS Dev, AI, UI Research

PROJECTS/HACKATHONS

- Build a full stack web application with in JavaScript and worked on the MERN stack. Used MongoDB on the backend.