**Ikshaku Goswami**

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# EDUCATION

**Master of Science, Computer Science** Aug 2021 - May 2023(Expected)

San Jose State University, San Jose, CA

**Relevant Coursework:** Database System Principles, Big Data Using Machine Learning, NoSQL DB Systems, UI Design, Topics in AI, Design and Analysis of Algorithms

**Bachelor of Technology, Computer Science** **Engineering** May 2019 Vellore Institute of Technology, Vellore, India

# SKILLS

**Languages:** Java, JavaScript, C/C++, Python, SQL, Bash, Groovy

**Technology:** Flask, ReactJS, MongoDB, NodeJS, EggPlant Automation, AWS, SQL Server, Hadoop, Bootstrap

**DevOps:**  Jenkins, Docker, Linux, Chef suite, AWS CodeBuild, AWS CodeDeploy, Terraform, GitHub, Kubernetes

# EXPERIENCE

**Software Intern**, Autodesk, San Francisco May 2022 – Present

* Developed an automation framework within an **agile** environment to periodically rotate 100+ service user credentials, by integrating multiple **REST/SOAP** web-services, reducing the manual effort by 85%
* Tools used – **Python**, **Groovy**, **Shell**, **AWS** (**Lambda**, **S3**, **SQS**, **Step** **Function**, **Secrets** **Manager**), **GitHub**, **Jenkins**

**Software Engineer**, Oracle Cerner, Bangalore, India June 2019 – April 2021

* Created and maintained **Chef** cookbooks; automated **CI/CD** pipelines using **GitHub**, **Jenkins** and **Docker** reducing software delivery time and human errors by 75%
* Worked with different teams to setup automated infrastructure testing environment using **OpenStack** **cloud** and **Docker**, reducing testing time by over 1 week

**Software Intern**, Oracle Cerner, Bangalore, India Dec 2018 – June 2019

* Developed an application to generate patient reports based on multiple health input parameters, using **ReactJS**, **Discern** **Visual** **Developer**, **Cerner** **CCL**, and **PostgreSQL**

## PROJECTS

**Serverless Machine Learning App**  June 2022

Developed and deployed a serverless machine learning app for handwriting recognition, using **Python**, **k-means**, **AWS** **Lambda**, **SAM**, **CloudFormation**, **Docker**, and **API** **Gateway**

**Blog App**  May 2022

Developed a full-stack blog app, using **Python**, **Flask**, **Jinja**, **CSS**, **SQLAlchemy** and deployed on a **Linode** server

**Predicting Covid-19 prevalence**  Dec 2021

Developed a machine learning app to predict future Covid-19 caseloads using **SVR**, **HDES**, **LSTM**, **Python** and **Apache** **Mahout**