





# CHIRANTHAN SHADAKSHARASWAMY

in chiranthanshadaksharaswamy ·  ChiranthanS ·  +1-8125531460 ·  chiranthan.s19@gmail.com ·  Skillfolio

## EDUCATION

### Indiana University - Bloomington

Master of Science in Computer Science *CGPA: 3.73/4*

Bloomington, Indiana

Aug 2022 - Jun 2024

### JSS Science and Technology University

Bachelor of Engineering in Computer Science, *CGPA: 8.9/10*

Mysuru, India

Jun 2016 - May 2020

## TECHNICAL SKILLS

Programming languages:	Python, Java, R, C#, C/C++, YAML, Bash, SQL, MogoDB, GoLang, Ruby, HTML, CSS
Development Tools:	JavaScript, React, Typescript, Flask, Django, SpringBoot, Unity
Tools :	Postman, Tableau, PowerBi, Linux, REST, SOAP, PowerShell
Cloud :	GCP, AWS, EC2, EKS, ECR, Azure, CI/CD, Cassandra, Groovy, Jfrog, Git, Gerrit
DevOps:	Jenkins, Docker, Chef, Ansible, Nagios, Puppet, CloudBees, Kubernetes, CircleCi, Terraform

## WORK EXPERIENCE

### Graduate Research Assistant | School of Education: Indiana University Bloomington

Jan 2024 - Present

- Data imputation, transforming missing values into insights with Python, and leveraging PowerBI for visualization.
- Orchestrated impactful feature transformations, enhancing dataset quality and analytical potential.
- Collaborating with a professor, surpassing project goals through advanced data preprocessing strategies.

### Graduate Research Assistant | School of Education: Indiana University Bloomington

Nov 2023 - Jan 2024

- Crafted an engaging Unity-based AR system, boosting children's critical thinking by 25%.
- Played a key role in the application's development and successful launch.

### Associate Software Engineer | Harman International Industries, Inc., DevOps Team, India




Oct 2020 - Jul 2022

- Automated software delivery via Jenkins and Docker, significantly cutting deployment time by 8%.
- Collaborated across teams, creating efficient RESTful APIs for seamless communication.
- Proficient in CI/CD practices. Skillfully streamlined project management using Git, Bash, CloudBees, and Gerrit.
- Demonstrated process optimization and robust YAML expertise by crafting extensive end-to-end DevOps pipelines.
- Built Jenkins-integrated Python parser for junit reports, orchestrated Android Studio setup on Amazon EC2.
- Automated migration tasks: branch creation, repository management via Linux, Bash, Python, cutting time by 12%.
- Designed specialized Jenkins workflows for streamlined content publishing on internal website and Jira Confluence.

## LEADERSHIP EXPERIENCE

### Technical Outreach Lead | Google Developer Student Club, Mysuru, India

Aug 2019 - Jul 2020

- Organized GCP workshop, guiding 82 peers to complete cloud engineering certification. 
- Coordinated Cloud Essentials certification for differently abled students, facilitating completion within 8 hours. 
- Collaborated on BigQuery Basics for Data Analysis workshop with Women in Tech Mysuru. 

## KEY PROJECTS

### CloudSight: DevOps-Driven System Monitoring | Docker, Kubernetes, ECS, EKS

Dec 2023 - Feb 2024

- Championed the implementation of CloudSight, showcasing proficiency in AWS, Python, Docker, and Kubernetes.
- Significantly reduced deployment time through effective Docker containerization, optimizing resource utilization.
- Established a streamlined Amazon Elastic Container Registry (ECR) for efficient image storage and management.
- Automated Kubernetes (EKS) Deployments with Python, minimizing deployment errors and boosting reliability.
- Implemented horizontal scaling on the Kubernetes cluster, improving application performance during peak loads.

### Logistics website for shipment tracking | ReactJS, Flask, MySQL, Python

Jan 2023 - Mar 2023


- LogisticX facilitated global shipping with carrier price comparisons for customer choice.
- Utilized FedEx and UPS APIs, 2-factor authentication, integrated a chatbot, and established a payment gateway.
- Leveraged Postman to proficiently test, build and manage API's, enhanced project functionality
- Employed Flask, ReactJS, MySQL, and Bootstrap, deploying on Google Cloud for an advanced logistics solution.

### Reading Text and POS Tagging | Python


Sept 2022 - Dec 2022

- Identified part of speech for each word in sentences and extract text from noisy images, utilizing structural language.
- Leveraged Naive Bayes inference, Viterbi, and Gibbs sampling for rich dependency-based sentence tagging.

## CERTIFICATIONS

Learning Django, by LinkedIn 

Feb 2023

Machine Learning with Python:Foundations, by LinkedIn 

Jun 2022