CHIRANTHAN SHADAKSHARASWAMY

in chiranthanshadaksharaswamy · ⬡ ChiranthanS · 📞 +1-8125531460 · ✉ chiranthan.s19@gmail.com · 🌐 Skillfolio

EDUCATION

Indiana University - Bloomington	Bloomington, Indiana
Master of Science in Computer Science *CGPA: 3.73/4*	Aug 2022 - Jun 2024
JSS Science and Technology University	Mysuru, India
Bachelor of Engineering in Computer Science, *CGPA: 8.9/10*	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 text, build and manage API's, enhanced project functionality
- Employed Flask, ReactJS, MySQL, and Bootstrap, deploying on Google Cloud for an advanced logistics solution.

Mitigate Home Credit Default Risk 🔗 | *Regression, Neural Network*   **Oct 2022 - Dec 2022**

- Developed a comprehensive pipeline for data pre-processing, training, and feature engineering.
- Implemented Neural Network by merging datasets, dropping trivial attributes for performance enhancement.

CERTIFICATIONS

Learning Django, by LinkedIn 🔗	Feb 2023
Machine Learning with Python:Foundations, by LinkedIn 🔗	Jun 2022