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
Relevant Coursework: Machine Learning, Computer Networks, Data Analytics, Artificial Intelligence, Software Engineering and DevOps Practices, Database Design, Applied Algorithms, Security for Networked Systems

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, HTML, CSS, PHP
Development Tools:	JavaScript, React, Typescript, Flask, Django, Oracle, SpringBoot, Node JS, Unity
Tools :	Postman, Tableau, PowerBi, Linux, UNIX, REST, SOAP, PowerShell
Cloud :	GCP, AWS, EC2, EKS, ECR, Azure, CI/CD,Splunk, Cassandra, Groovy, Jfrog, Git, Gerrit
DevOps:	Jenkins, Docker, Amazon Lambda, Ansible, CloudBees, Kubernetes, CircleCi, Terraform

WORK EXPERIENCE

Graduate Research Assistant | IU School of Education - Prof. Leslie Ann Rutkowski   **Jan 2024 - Present**
- Mitigated dataset limitations by orchestrating feature transformations, enhancing analytical potential of ELS dataset.
- Implemented Hot Deck Matching for data imputation in Python, transforming missing values into actionable insights.
- Overcame visualization challenges by leveraging PowerBI, leading to and informed decision-making.
- Enhanced model performance with 79.4% accuracy applied feature engineering, explored KNN, SVM, and regression.

Graduate Research Assistant | IU School of Education - Dr. Kyungbin Kwon   **Nov 2023 - Jan 2024**
- Crafted an engaging Unity-based AR mobile app, boosting children's critical thinking.
- Addressed challenges in application development, played a pivotal role, and contributed to its successful launch.

Associate Software Engineer | Harman International Industries, Inc., DevOps Team, India   **Oct 2020 - Jul 2022**
- Automated software delivery with Jenkins and Docker, cutting deployment time by 8%.
- Collaborated with Agile teams creating efficient RESTful APIs for seamless communication in information technology.
- Revamped project management with CI/CD, Git for version control, Bash, CloudBees, Gerrit, and troubleshooting.
- Demonstrated process optimization and YAML expertise, crafting extensive end-to-end DevOps pipelines.
- Engineered a Jenkins-integrated Python parser for jUnit reports, orchestrating Android Studio setup on AWS EC2.
- Automated migration tasks: branch creation, repo management via Linux, Bash, Python, reducing time by 12%.
- Designed Jenkins workflows for streamlined content using python and bash scripting to publish on internal websites.

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

DataScience Insights | *PowerBi, Matplotlib, Seaborn*   **Jan 2024**
- Pioneered global data science salary analysis, employing innovative methods for nuanced insights.
- Guided stakeholders with strategic insights, enabling informed decisions in a dynamic data science landscape.
- Translated business needs to tech solutions, strong documentation for data pipelines.

CloudSight: DevOps-Driven System Monitoring | *Docker, Kubernetes, ECS, EKS*   **Nov 2023 - Jan 2024**
- Spearheaded CloudSight implementation, showcasing proficiency in AWS, Python, Docker, and Kubernetes.
- 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, enhancing 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.

CERTIFICATIONS

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