





CHIRANTHAN SHADAKSHARASWAMY

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EDUCATION

Indiana University - Bloomington

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

Bloomington, Indiana

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

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

Mysuru, India

Jun 2016 - May 2020

TECHNICAL SKILLS

Programming languages: Python, Java, R, GoLang, C/C++, YAML, Bash, SQL, Ruby, HTML, CSS, PHP
Development Tools: JavaScript, React, Typescript, Flask, Django, Oracle, SpringBoot, Node JS, Unity
Tools : Postman, shell, Maven, PowerBi, Linux, UNIX, REST, SOAP, PowerShell
Cloud : GCP, AWS, EC2, EKS, ECR, Azure, CI/CD, Splunk, Cassandra, Groovy, Jfrog, Git, Gerrit
DevOps: Jenkins, Docker, Pulumi, Ansible, CloudBees, Terraform, Kubernetes, CircleCi

WORK EXPERIENCE

Graduate Research Assistant | IU School of Education - Prof. Leslie Ann Rutkowski

Jan 2024 - Present

- Implemented Hot Deck Matching for data imputation in Python, transforming missing values into actionable insights.
- Overcame visualization challenges by leveraging PowerBI, leading to an 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 & Release, India




Oct 2020 - Jul 2022

- Automated software delivery pipelines with Jenkins and Docker, reducing deployment time by 8%. Utilized Kubernetes for scalable and resilient container orchestration of applications and microservices.
- Played a key role in Agile teams, developing efficient Java-based RESTful APIs. Integrated security practices with Code Sonar and SonarQube, ensuring robust protection. Monitored systems for optimal performance.
- Managed build and dependency systems, utilizing Maven and Gradle to ensure robust software development.
- Revamped project management with CI/CD, Git for version control, Bash, CloudBees, Gerrit, and debugging.
- Engineered a Jenkins-integrated Python parser for JUnit reports, orchestrating Android Studio setup on AWS EC2.
- Automated migration tasks using Linux achieving a 12% reduction in time for branch and repository management.
- Designed Jenkins workflows using Python and Bash scripting to streamline content publishing 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 test, 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 

Jun 2022