CHIRANTHAN SHADAKSHARASWAMY

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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
Tools :	Git, Postman, Tableau, Linux, REST, SOAP, PowerShell
Cloud :	GCP, AWS, EC2, Azure, CI/CD, Cassandra, Groovy, Jfrog, Gerrit
DevOps:	Jenkins, Docker, Chef, Ansible, Nagios, Puppet, CloudBees, Kubernetes, CircleCi, Terraform

WORK EXPERIENCE

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

Logistics website for shipment tracking ☑ | *ReactJS, Flask, MySQL*   **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**

- Elevated data analysis through utilization of seaborn and matplotlib for numerical and categorical data visualization.
- Developed a comprehensive pipeline for data pre-processing, training, and feature engineering.
- Implemented Neural Network by merging datasets, dropping trivial attributes for performance enhancement.
- Logistic Regression, Random Forest Regressor and XGBoost achieving 73% accuracy and Kaggle submission.

Reading Text and POS Tagging ☑ | *Python*   **Sept 2022 - Nov 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.
- Calculated emission and transition probabilities and Identified text in test images via Bayes net, HMM.
- Attained 90.90% word accuracy in simple model and 51.75% sentence correction success in HMM.

Price Optimization through Predictive Modeling | *Sklearn, NLTK, ASP.NET*   **Jan 2020 - May 2020**

- Accomplished crop price prediction and sentiment analysis, yielding valuable insights and informed decision-making.
- Leveraged sklearn's Random Forest model, attaining remarkable 96% success rate in implementation.
- Analyzed 800k-row data using NLTK, deployed model on Amazon EC2 instance for efficient functionality.
- Published a research paper titled "Crop Price prediction using Random Forest and Decision Tree Regression" ☑

CERTIFICATIONS

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