

Aditirao Arunkumar Kalanji

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EDUCATION

Master of Science, Computer Science, The University of Texas at Dallas | GPA 3.61/4 May 2024
Bachelor of Engineering, Computer Science, KLS Gogte Institute of Technology, India | CGPA 9.14/10 Aug 2019

SKILLS

Programming & Back-end: Python, Java, BASH, C, C++, Salt-stack, Flask, MySQL, REST APIs, MongoDB, Data Analytics

Dev-Ops/Dev Tools: Jenkins, GitHub, Docker, Kubernetes, IBM's UrbanCodeDeploy

Front-end: REACT, Angular JS, HTML, CSS, Node.js, JavaScript

Courses: Big Data Management & Analytics, Machine Learning, Database Design, Design & Analysis of Algorithm, Natural Language Processing, Statistics for Data Science, Computer Vision, Web Programming, Software Testing, Network Security

PROFESSIONAL EXPERIENCE

Senior Systems Engineer at Infosys Ltd., Bangalore, Karnataka, India Aug 2021 - Jun 2022

- Led a **team of 4** and directed an offshore *DevOps team*, ensuring successful execution of internal automation and establishment of configuration management initiatives, driving operational excellence and efficiency.
- Utilized Jenkins and IBM's UrbanCodeDeploy effectively to orchestrate **automated continuous integration** builds and deployments, guaranteeing a *streamlined software delivery and release process* and reducing the time taken by 30%.
- Collaborated with **cross-functional teams** to conduct a highly successful *Proof of Concept (PoC)* for migrating on-premises DevOps infrastructure to **cloud-based automation**, resulting in optimized scalability and resource utilization.

Consultant at Mercedes-Benz Research & Development India, Bangalore, Karnataka, India Aug 2019 - July 2021

- Recruited as a Graduate Engineering Trainee and swiftly advanced to the role of Consultant, demonstrating outstanding professional **growth and advancement**.
- Spearheaded the development of an **automation software** that uses Python-Flask, and HTML+CSS by crafting **robust APIs** to streamline and automate routine Linux system administration tasks to significantly *enhance the efficiency of the release process* automation by reducing the time taken by 60%.
- Received the **Bronze Star Award** for by the management for outstanding customer focus and *technical excellence* in supporting MBUSA DevOps toolchain platform independently ensuring customer satisfaction and service excellence.

Intern at DataSatva Solutions PVT LTD Jun 2018 - August 2018

- Worked on Microsoft Azure to develop a customer help **chat-bot** to respond to the user query and train them for natural language processing.

PROJECTS

Predictive Modeling for Bitcoin Price Dynamics Using Time-Series Data (LSTM) Dec 2023

- Developed and evaluated **machine learning models** and traditional algorithms using Python and **big data analytics** to predict minute-by-minute Bitcoin price movements in 2021.

Refined Pottery Studio Dec 2023

- Led a team on the project to build an interactive website for a pottery studio utilizing framework consisting of **REACT, Angular JS and MongoDB** to sell their artwork and classes.

Predictive Text Generator Sep 2023

- Developed unigram & bigram-based language models to **predict** the next word and find the perplexity metrics of the model.

Sentiment analysis on Yelp reviews Aug 2023

- Developed and assessed FFNN and RNN models for **sentiment analysis** by optimizing hyperparameters & evaluating the model accuracy, **highlighting the effectiveness** of certain features for both models in sentiment classification.

Library Catalogue Mar 2022

- Implemented a personal library catalog system which uses **Python-Flask, HTML, CSS, JWT** and runs on **Heroku**.

Predicting Personality with Social Data Jun 2019

- Analyzed the Social Media data to predict the user personality with respect to the OCEAN traits using **Skylearn & Python**.

LEADERSHIP EXPERIENCE

- Physics Peer Tutor, UT Dallas** Aug 2023 - Present
- LEAD (LEADer's Accelerating Development Program) Member, KLS GIT, India** Aug 2016 - Aug 2019
- President of Student General Body, Amrita Vidyalam High School** Aug 2012 - Mar 2013