# ADITYA RAVIKANT JADHAV

# Raleigh, NC | [adityajadhav537@gmail.com](mailto:adityajadhav537@gmail.com) | +1 9848883394 | [LinkedIn](http://www.linkedin.com/in/aditya4196) | [GitHub](https://github.com/aditya4196?tab=repositories)

**ACADEMICS**

**North Carolina State University, USA May 2023**

Master’s in Computer Science

**University of Mumbai, India May 2018**

Bachelor of Engineering in Computer Engineering  (**GPA: 9.04/10)**

**SKILLS**

* Languages: Java, Python, Oracle, MySql, javaScript
* Frameworks: Safe-Agile, Spring / SpringBoot, Django, Apache Camel, Spring Integration
* Tools: PyCharm, Eclipse, PostgreSQL, Oracle Database Systems, Microsoft SQL Server Management
* Devops/Cloud: Docker, Kubernetes, Openshift, Amazon Web Services

**PROFESSIONAL EXPERIENCE**

**Analyst, Software Developer**

TIAA Global Financial Services, India  **June 2018 - May 2021**

* Accelerated the automation process by 50% by implementing and deploying 2 microservices using CI/CD pipeline
* Improved the process by 60% by implementing Apache Kafka for sending various feedback messages to clients on time
* Resolved significant production issues and communicated with business users and the QA team to provide delivery of a critical service on schedule and to avoid delay in the business continuity for positive feedback
* Decreased wait times for multiple other teams by 40% by implementing multithreading in Spring Integration flows to keep a rest-API request thread running through two microservices without any fallback
* Optimized the deployment time by 2 hours by developing docker files and deployment scripts to containerize 3 microservices to Openshift and use Rapid Development and Deployment Strategies to seamless release cycles
* Conducted training for roughly 160 software developers within the company on Containerization and Deployment of applications using Docker and Openshift, also a hands-on workshop on advance features of Container Orchestration
* Benefited around 5 Application Development teams using Telemetry where I contributed in the implementation of an ELK Stack for logs analysis of roughly 15 applications utilizing Apache Nifi, Kafka, and Grafana

**AI Research Intern**

Bhabha Atomic Research Centre, India **June 2017 - July 2017**

* Completed 50% research on applied Computer Vision and implemented Human Gait Feature Extraction
* Successfully detected, tracked and extracted 70% of the features from a Pedestrian in a Video Frame
* Extended our research to track multiple Pedestrians in a single Video Frame
* Received a certificate of achievement from the Research Organization for delivering fruitful results in a short span

**PROJECTS**

**Human Resources AI Chatbot January 2019 – December 2019**

* Implemented a chatbot which takes the queries from employees and outputs answers them without any human intervention
* Used basic NLP techniques and trained model for Natural Language Understanding using Rasa NLU
* Installed a timer for each test and a function to select questions randomly, to improve the efficiency of the system

**Melanoma Skin Cancer Analysis (Research) : June 2017– June 2018**

* This research was on analysis of skin lesion images to detect malignancy using Image Processing and Machine Learning
* Used various pre-processing techniques like Dilation, Thresholding, Filtering techniques and Boundary extraction to extract features from the skin lesion, and these features were fed to the Decision Trees algorithm for Classification
* Achieved 88% accuracy on 3000 lesion images in identifying the presence of malignant melanoma in the skin lesion

**Anomaly Detection for the ongoing Ship Trajectory: December 2017 - March 2018**

* Implemented a solution for detecting anomalies in current ship trajectory in maritime traffic based on clustering results of historical AIS data for the Indian Ministry of Defence
* It identifies for each path based on some key factors like latitude, longitude, speed and direction, if the vessel is anomalous
* If the anomaly exceeds the threshold value, the system will notify the on-shore authorities concerned
* Our system will also assist in navigating the ship back to the usual trajectory using our clustering algorithm

# ACHIEVEMENTS

* Received Collaboration Champion Award for coordinating with multiple platform teams for Rapid Deployment Cycle
* Received Deliver Excellence Award for taking accountability to integrate a new code base and make it running in short span
* Awarded by the Indian Government for achieving runner’s up position at the Smart India Hackathon 2018
* Awarded for being one of the finalists at the Deep Blue Competition and delivering the entire product on time