

# Jemin Kachhadiya Software Engineer

LinkedIn: [www.linkedin.com/in/jemin-kachhadiya-087212143/](https://www.linkedin.com/in/jemin-kachhadiya-087212143/)

Github: [github.com/jeminkachhadiya](https://github.com/jeminkachhadiya)

Phone: 706-315-7519

Email: [jemin.b.kachhadiya@gmail.com](mailto:jemin.b.kachhadiya@gmail.com)

Portfolio: [jeminkachhadiya.github.io](https://jeminkachhadiya.github.io)

## SUMMARY

A software engineer with 1.5+ years of professional experience with python and applying machine learning and data science principles to real-world problems to cater to business needs. Script scanning tool for Accenture.

## EDUCATION

### Columbus State University, GA

Master of Science in Computer Science (Artificial Intelligence and Machine Learning)

August, 2022 - Present

**GPA 4.00 / 4.00**

### L. D. College of Engineering, India

Bachelor of Engineering in Electronics and Communication

July, 2016 - June, 2020

**GPA 8.38 / 10.00**

## SKILLS

Languages/Frameworks: Python, R, Java, Git, YOLO, PyTorch, Matlab, Hadoop, Flask, Selenium

Databases: SQL Server, Oracle, Impala, Hive, MySQL, PostgreSQL, Presto, SAP HANA, Athena

Tools: Pycharm, RStudio, Visual Studio, Jupyter, Dbeaver, Hue, eclipse, ALM, Jira, Photoshop

Others: Docker, Jenkins, Linux, pandas, NumPy, Arduino, AWS, GCP, Tableau, PyTest, G Sheets

## WORK EXPERIENCE

### Graduate Research Assistant, Columbus State University

September, 2022 - Present

- Working on a remote surveillance system, building the model to detect and differentiate civilians and military personnel in real time, with the **YOLO** framework focusing on the processing speed for object detection.
- Identifying and resolving problems through root cause analysis and research. Working on data collection, labeling, augmentation, Image processing with **OpenCV** and training neural networks with PyTorch dependencies.

### Application Development Associate, Accenture

January, 2021 - June, 2022

- Created & implemented **RPA**-based web and database automation testing, test script.
- Automated the process of fetching data mounted on Hadoop and AWS **Athena** platforms using Robot Framework and performed data validation with automated queries to remove redundancies through jenkins **CI/CD** pipelines.
- Built a tool with Tkinter to validate the scripts as per client's requirement as a result code review becomes so simple.
- Worked on a model using NLTK which can understand the requisite from document & validate project's fulfillment.
- Skills utilized: Python, SQL, Automation, pyodbc, Java, NLTK, Jenkins, ALM, Docker, Tkinter, Flask, GCP, Data Analysis, Product development, Jira, bitbucket.

## PROJECTS

### RF Buddy - Script Scanning Tool

Accenture **Innovation** Project - March 2022

- Saved 100 hours of work per week by developing a script scanning tool built as a desktop application in **Python** using **Tkinter** to verify engineers are following the client requirement, and distributed the executable version to the team of 120 engineers with the track of results and usage data into the database using **pyodbc**.

### Bird Species Recognition - Convolutional Neural Network

Personal Project - January 2021

- Trained a model on CUB-200 dataset on 200 different categories and achieved 81.2% accuracy on test split using **tensorflow** and visualizing the data using **matplotlib**.

### Visualizing Citi Bike Trips with Tableau

Coursera Certified Project - October 2020

- Created and publish **data visualizations** with dashboards in Tableau

### BirdStrike Prevention System - Computer Vision and IOT based project

Academic Project - June 2020

- Caffemodel-**object detection** model used to detect birds in real-time with **opencv** in python, transmit the location data to the **arduino** with serial communication and emit harmless lasers at the location by decoding the data.

## CERTIFICATIONS

**Machine Learning** (Stanford University), **Data Science** (HarvardX), **Deep Learning** Specialization (Stanford University),

**R-Programming** (John Hopkins University), Analyzing **Big Data** with SQL (Cloudera), **AWS** Fundamentals (Coursera),

**Tableau** (Coursera), **GCP**: Creating BigQuery Datasets and Visualizing Insights (Coursera).