

# SHIVARAM KUKKUNOORI

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## EDUCATION

### Master of Science in Computer Systems

Sep 2023 - Jun 2025

Riga Technical University, Riga, Latvia

7/10

Machine Learning and Swarm Intelligence based route optimization, Master Thesis

### Bachelor of Technology in Computer Sciences and Engineering

Aug 2016 - Jun 2020

Anurag Engineering College, Kodad, India

8.02/10.0

Accident detection using Convolutional Neural Networks, Bachelor project and thesis, Published in [IJMRR](#)

## TECHNICAL SKILLS

**Programming Languages:** Python, C#, JavaScript, Java, Erlang, C, C++, Dart, Go

**Frameworks, Libraries:** ASP.NET MVC, ASP.NET Core, React, Node.js, Express.js, jQuery, HTML5, CSS3, Bootstrap, TailwindCSS

**API tools:** Postman, .Net Web Services, SOAP, REST API, IIS, HTTP/HTTPS, XML, JSON

**CI/CD, build tools:** GIT, GitHub, Bitbucket, Maven, Docker, Kubernetes

**Databases, Cloud:** MySQL, Mongo DB, PostgreSQL, AWS, Azure

## EXPERIENCE

### Data Engineering Training | EPAM Latvia

Feb 2024 – May 2024

- Four months training with EPAM. I developed skills on PostgreSQL with many practical tasks using [bitbucket](#).

### Software Developer | Unavo | Remote

Oct 2022 - Feb 2025

- Created and optimized a real-time reconciliation framework using webhooks and Apache Kafka, improving performance by 38% and boosting revenue by 8.5%, utilized by 1300+ customers.
- Developed new features for established payment processors Stripe and Worldpay, spanning online, point-of-sale, terminal, and recurring/scheduled payments functionalities.
- Implemented RESTful APIs, web pages, and reports, resulting in an 18% reduction in Address Verification Service (AVS) charges.
- Collaborated across teams to containerize and package microservices with Docker and Helm.

### Software Engineer I | Verisk Analytics | Hyderabad, India

Feb 2022 - Aug 2022

- Contributed to the development and maintaining a product of Verisk Extreme event solution called Touchstone which is an insurance and reinsurance model.
- Worked in agile methodology and worked on client issue tickets resolving potential issues in the application through debugging the C++ and Python code of the application.
- Built and maintained data pipelines to efficiently preprocess and transform large volumes of data used in the development of the insurance model.

### Software Engineering System Analyst | Tata Consultancy Services Limited | Hyderabad, India

Feb 2021 - Oct 2021

- Researched and evaluated the pros and cons of transitioning from Teradata to Bigdata (Hadoop).
- Updated many lines of code to migrate the database Teradata to Bigdata (Hadoop). cutting the database management risks by 85%.
- Played a key role in developing an automation test framework, ensuring validation of unit and functional tests across more than 1000 cases post-transition.

### Artificial Intelligence/ Machine Learning Intern | Expertshub | Hyderabad, India

Jun 2019 - Jul 2019

- Researched and analyzed Machine Learning and Deep Learning models like Neural networks, Convolutional neural networks.
- Developed real time ML model that detects emergency vehicles at traffic lights. This model is deployed practically using Arduino.
- Contributed to developing chatbot for answering robocalls.

## PROJECTS

### Chatbot for answering robocalls | Python, pandas, OpenAI, LLama API

Jun 2024 - Jul 2024

- Created a robocall answering machine to attend robocalls using LLMs- OpenAI, hugging face and Llama APIs along with rule-based mappings.

### Plant seedlings classification | Python, flask, tensorflow, keras, pandas, matplotlib

Sep 2019 - Mar 2020

- Developed a deep learning model using CNN to classify seedlings of a plant. Large amount of image dataset is used to train and test the model.
- Developed an interactive UI to showcase the model and deployed using python flask.

### Web scrapping and text detecting | Freelancing | Python, selenium, OpenCV

Aug 2022 - Dec 2022

- Developed a web scraper that extracts information of users of my client and text from image is extracted using opencv.
- Almost 60,000+ records information is extracted and stored in CSV within an ample time.

## ACHIEVEMENTS

### Internshala student ambassador, Sep 2019 - Mar 2020

- By taking a lead during my college, I've given many seminars to my co-students and helped them to get their dream internships.

### Semi-finalist of Code gladiators | Jan 2019

- Solved very complex problems with low time and space complexity.

### Coder of the college award by Anurag engineering college | Nov 2018

- Through 6-month weekly coding competitions in the college I received the top performing award.