

# Zarak Jahan

Coimbatore, Tamil Nadu

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## EDUCATION

**Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu** 2023 - Current

*Masters of Technology in Artificial Intelligence Engineering*

Current CGPA: 7.83

**Sharda University, Greater Noida, Uttar Pradesh** 2019 - 2023

*Bachelor's of Technology in Computer Science & Technology with Specialization in AI&ML*

CGPA: 8.64

## PROJECTS

### Self Driving Car Simulation Using JavaScript

Developed a full self-driving car simulation using using HTML, CSS, and JavaScript, with a Feedforward Neural Network for Genetic Algorithm mutation, the project systematically advances self-driving technology

**Technical Skills used** - HTML, CSS, JavaScript

### Cloud Native System Monitoring Application on Kubernetes

Developed a system monitoring application using Python with Flask and organized it into categories using Docker containers. Additionally, utilized the Python BOTO 3 module to establish an Amazon Elastic Container Registry (ECR). Furthermore, set up Elastic Kubernetes Cluster and successfully deployed the aforementioned application onto it.

**Technical Skills used** - Python, Flask, Dockers, Amazon ECR, Amazon EKS.

### Spotify Clone

Developed a web-based Spotify clone.

**Technical Skills Used** - HTML, CSS, JavaScript

### World Coin Currency Detection Using Deep Learning

Developed a deep learning model to identify and recognise coins from various nations. The Dataset was acquired from the internet.

**Technical Skills Used** - Python, Machine learning Algorithm - CNN and MobileNetV2

## TRAINING

Summer Internship Training on C++ and Object Oriented Programming 2023

## PUBLICATIONS

**Deep Learning Based World Coin Currency Detection** 2022 - 2022

[https://doi.org/10.1007/978-981-99-1620-7\\_35](https://doi.org/10.1007/978-981-99-1620-7_35)

**Peer-to-Peer Self-Driving Car Rental: A Case Study on the Development and Limitations of a Novel Transport System** 2023 - 2023

<https://ieeexplore.ieee.org/document/10112328>

**SERIGO: Development and Implementation of a Peer-to-Peer Self-Driving Car Rental App Using Flutter Framework** 2023 - 2023

<http://www.ijpe-online.com/EN/10.23940/ijpe.23.03.p1.155166>

## SKILLS

Technical Skills C++, Python, Java, HTML, CSS, JavaScript, Machine Learning, Word, Excel, Powerpoint, FlutterFlow, Flutter, Firebase, ReactJS, Git, GitHub, UI/UX designing, DevOps

Soft Skills Collaboration, Motivation, Independent, Teamwork, Leadership, Project Management, Communication, Prioritization, Multitasking, Influential.