

RAHUL RK

Final year student at SVCE

To pursue a job opportunity in a competitive environment that will challenge me to push my boundaries and expand my knowledge in the field of computer science while allowing me to add value to the dynamics of the company.



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EDUCATION

B.Tech Information Technology

Sri Venkateswara College of Engineering

2017 - 2021

CGPA - 9.66/10

Class XII (CBSE - Computer Science)

Kola Perumal Chetty School, Chennai

2017

Marks - 409/500

Class X (CBSE)

Jawahar Vidyalaya School, Chennai

2015

CGPA - 9.6/10

PROJECTS

Vehicle Recognition and Compilation in Database

(05/2020 - Present)

- Realtime license plate recognition along with vehicle make, model, color, damage, location, and Timestamp of suspected vehicles from CCTV footage.
- 7 neural networks and algorithms with 12 distinct predictions.
- 0.3 ms inference time and 86% accuracy.

Attention Span Tracking in Online Education using Image processing and Artificial Intelligence

(09/2019 - 03/2020)

- Advanced proctoring system developed using Image processing in Python to prevent cheating in online classes and exams using webcam and microphone.
- Face detection and recognition, Body position change, Eye position tracking, Blink rate detection, and Background noise level detection - Multithreaded functions.

Self-Driving Car Simulation using Convolutional Neural Networks

(11/2018 - 03/2019)

- Developed a CNN to drive a car autonomously in GTA V with 97.8% training accuracy and 90% validation accuracy.
- Training data collected manually from 20+ hours of gameplay.
- Advanced lane detection, Vehicle and Obstacle detection, and Collision avoidance.

American Sign Language Recognition and Assistive tool for visually challenged people

(09/2018 - 11/2018)

- Developed a CNN to detect and recognize hand gestures of American Sign Language with 91% accuracy.
- Trained using the dataset consisting of 300 images for each class for a total of 26 alphabets and 10 digits.

TECHNICAL SKILLS

Python

OpenCV

Machine Learning

Flask

C++

HTML

CSS

JS

NodeJS

MongoDB

WORK EXPERIENCE

AI/ML Engineer Intern

Hueint Pvt Ltd

(08/2020 - Present)

- Developed an AI Time table scheduler using Genetic algorithms for Hueazia, an Institution management suite.
- Developing an AR-based learning module for students.

Software Developer Intern

Doyen System Pvt Ltd

(05/2019 - 06/2019)

- Developed a voice-enabled cloud-based chatbot for an interactive realtime news application.
- Learned about Oracle, Cloud, NLP, APEX, and chatbots.

ACHIEVEMENTS

Budding Engineer Award by SVCE

Meritorious academic performance (Topper of the department)

Finalist of Smart India Hackathon 2020

(07/2020)

Vehicle Recognition and Compilation in Database software

Secured second place in Hack & Tackle 2.0, a

National level 24-hour hackathon at SSN (02/2020)

Attention Span tracking in Online Education using AI

Secured second place in the Student's Research Day SVCE Innovates

(03/2019)

Research work on Self-driving car simulation using CNN

Secured second place in Thinkathon 2019, a

24-hour hackathon conducted by SVCE (02/2019)

Lab report digitization using Optical Character Recognition

Secured first place in Protocol21e, a National level

symposium conducted by SVCE (10/2018)

ASL Recognition and Assistive tool for visually challenged people

CERTIFICATIONS

- Machine Learning with TensorFlow on Google Cloud Platform Specialization on Coursera
- Neural Networks and Deep Learning on Coursera
- Python for Data Science and Machine Learning Bootcamp on Udemy
- The Web Developer Bootcamp on Udemy
- Blockchain A-Z: Learn how to build your first Blockchain on Udemy

AREAS OF INTEREST

Computer Vision

Artificial Intelligence

Neural Networks

Web Development

Blockchains